



DIARY OF  
INSECTS &c., CHIEFLY  
HYMENOPTERA  
Collected by A.W. Stelfox  
1931-1932.

VOL. 4.



3<sup>rd</sup> May 1931. A windy day, cold, & practically  
no sun in morning. Pure Irish.

The Dingle, Co. Dublin. 10-30 till noon.

Looking for Dolerus leopoldi but none seen  
as no sun.

Bombus lucorum & agrorum a very few ♀♀.

Andrena albicans, nigroaenea & jaesbe a few  
♂♂ of each seen & 1 ♀ nigroaenea on road side.

[No. In Museum from 2 till 5 pm.]

Cuckoo heard!

8<sup>th</sup> May 1931. A fine afternoon but not  
much sun.

Marsh at Eniskerry, between up. & low. roads, 2<sup>nd</sup>  
2-30 till 4.0 pm. Very little out. Co. WI.

Andrena pygmaea ♀ on dandelion

A. jaesbe & albicans ♂♂.

Nomada mercurialis ♂♂ & ♀♀ very fresh common

N. bipida 1 fresh ♀. R.C.P. in litt. 6.4.32.

Amauronematus sagittarius ♀ } Beaten out of

Pontania ? ♂ } Salix cinerea.

Two small ichs. & two Brachinids also beaten off  
S. cin.

Dolerus affinis ?? 10?

10.10.31  
10.10.31  
10.10.31



8/5/31 cont. The Dingle, Co. DU. 4.0 till 5.0 pm.  
Some sun, but little out.

*Daenusa* sp. taken in car on arrival.  
[*Dolerus*: none seen at all]

*Bombus muscorum* 1 fresh ♀, *lucorum* & *agrorum* ♀♀  
*Andrena albicans* & *jacobi* ♂♂. rare.  
*Nomada marshamella* common on ♀ *Satureia*.

10th May 1931. A warm dull, rainy day, with no sun till 7 pm.

Drove to Ballylusk, WI. Here stayed from noon till 2 pm. With A.A. Lianey.

*Bombus lucorum* a few ♀♀ in woods at *Vaccinium*  
*Verpa rupe* & *noveboracensis* ♀♀ in woods at *Vaccinium*  
[*Nomada marshamella* ♂ at Killadreenan glen clinging to seed of rush. A.A.L.]

Two inter. & two *beccarii*, one latter with small white ant. lab. on 1st.

*Pentamerus* 2 ♂♂

*Theridion* 2 ♂♂ on birch

Taken a small *beccarii* & ♀ in water at Shanbally, Co. DU.

11th May 1931 Garden at Mayfield, Harold's Cross, DU. *Pimpla turionellae* 4 ♂♂ *Pimpla* 1 ♂  
*Andrena jacobi* ♂. *Cryptus* 2 ♂♂ 1 ♂. *Angitia* 1 ♂.

Glen of the Doona, (sandpit at south end!), Co. WI.

14th May 1931. A showery day: with some sun!

*Andrena jacobi* ♂♂ & ♀♀. *A. albicans* ♂♂.

*A. subopaca* ♀. *minutula* (1 ♂ hood).

*Nomada marshamella* common.

15th May 1931. Garden at Mayfield, Harold's Cross, DU.  
*Pimpla turionellae* 2 ♀.  
*Theridion* 2 ♂♂ on fern.

17th May 1931. A fine day with hot sun & some clouds.

Sandpit at Esker, Lucan, Co. DU.

10-30 till 12-30 noon.

*Bombus terrestris* ♀. *B. lucorum* ♀ (George!)

*B. muscorum* 1 ♀. *B. agrorum* ♀♀ 1 or 2, *B. derhamellus* 1 ♀ on white clover.

Rare *Andrena albicans* ♂♂ & 1 ♀. *A. jacobi* ♂♂.

*A. wilkella* ♂♂, very fresh. *A. subopaca* 2 ♀♀

*Halictus rubicundus* ♀♀. *H. albipes* & *caelestis* & *tumescens* ♀♀.

*H. leucopus* 1 ♀.

*Sphex* *divinus*, *monilicornis*<sup>(1)</sup> & *affinis*<sup>(2)</sup> ♀♀

*Nomada lapida* 1 ♂, very fresh. *N. marshamella* abundant.

*Laematodes* ♂♂ & ♀♀ large! *R.C.L.P.* *exilis*!  
*Dolerus oblongus* ♂ 2 ♂♂ by Griffioen River.

*Rhyssalus anaeperis* ♂♂ & ♀♀ on nettles. *Empria* sp. ♂♂. See R.C.L.P.'s letter of 6.4.32.

*Hoplocampa pectoralis* ♀ beaten off the only bit of Hawthorn in flower! out.

*Sigalphus* (Pseudotaphrus) ♂♂ abundant on elm, &:

one like *angitia*? on *Daucus*? on *berberis*?



17/5/31. Knockmaroon, Co. Du. 12.45 till 1.15 pm.

*Andrena nigroaenea* many fresh ♀♀.

*Tenthredopsis cognatella*? fresh ♀ on grass.

*Chalcidius picipes* 2 ♂♂.

One *Bombus*? ♂♂.

18th May 1931. Garden at Mayfield,  
Harold's Cross, Du.

*Andrena jacobae* very dark ♀.

*Pimpla turionellae*? ♂♂ & ♀. Muscivores of ♂.

20th May 1931. A fine sunny day!

Stayed previous night at Donaghadee & in afternoon walked from Stranmillis to 8-1  
lock on Lagan Canal & back, Co. Antrim.

*Andrena jacobae* ♀♀ abundant - resting in river bank.

*Nomada marshamella* also seen.

20.5.31.  
*Pimpla turionellae* ♂

*Barichneumon* ♂.

*Nomada marshamella* ♂

taken in garden at Harold's Cross, evening!

24th May 1931. A blustery day, mild, & a good deal of sun, but wind & heavy shower about 2 pm. Spoiled collecting.

All Co. Meath!

Drove to Trim, via ~~Blonney~~ <sup>Blonney</sup>, then back via the Abbey bridge below Trim, Bectin & Ballintra Bridge to Navan & home. Stopped on way to Trim at marsh by the Tolka, N of Blonney, Co. ME., = 1, nest at old sandpit on right-hand side of road near Cross Keys = 2; Abbey Bridge below Trim = 3, Ballintra Bridge = 4, road home from Navan = 5.

24/5/31 cont. Trim, & cont.

Roadside near Batterstown = 1A and flower of *Viburnum Lantana* by roadside near Ballintra Ho. = 4A.

*Bombus* not more than 6 or 8 seen all day & no *B. lucorum*.

*B. derhamellus* 1 ♀ at 2, *B. agrorum* several ♀♀ at 2 & 4.  
*B. terrestris* 1 ♀ at 4.

*Andrena albicans* ♀♀ at 2 & 4. *A. nigroaenea* ♀♀.

*A. jacobae* ♂♂ & ♀♀ at 2. *A. vilkella* ♂♂ at 2 & 4.

*A. sericea* ♂♂ at 2. *A. saundersella* ♂♂ & subspecies ♀♀.

*Halictus rubicundus*, *calceatus*, *alpinus*, *freysenii* ♂♂ at 2.  
*tumulosus*, *leucopus* & *nitidus* ♀♀ at 1A, and 2.

*Sphex monilicornis* 1 ♀ at 2.

*Nomada marshamella* & *gordemana* common at 2.

*N. tipida* 1 ♀ at 2. *N. flavoguttata* 2 ♂♂ (1 small) at 2.

*Salix fusca* 2 ♀♀ at 2.

*Tenthredella temula* 1 ♂ on flower of *Antirrhinum* <sup>at 1A.</sup>

*Tenthredo arcuata* 1 ♀ on flower of *V. Lantana* at 4A.

*Odynerus* <sup>very small</sup> *areolaris* ♂, ♂ at 1A. *D. niger*? ♂ at 1A.

*Rhyssalus anaperiae* ♂ at 1.

*Empididae* ♂ on *Salix* by river Tolka at 1 (See R.C.L.P. letter of 6.4.1932).

*Empididae* ♂ (var. of *liturata*. R.C.L.P. in litt. of 6.4.32) at 4. P.T.O.



(6.)

24/5/31 cont. Trim, & Co. Meath.

Arge ciliaris 1 ♂ on flower head of Anthriscus sylvestris by field at S.W. corner of Abbey bridge (= 3) one mile below Trim. Looked like a Dolerus until I saw it at home!

Pteronidea myosotidis ♂ at 4.

Melanichneumon saturatorius? ♀ on nettles at 3.

Ichneumon ruficornis ♀ at 2.

Cataglyphis fortis at 2.

Periparus sp. (or Thorseldus) at 4.

Meteorus ♀ at 2.

24.5.31. Evening (late off). Garden at 14 Clareville Rd., Harold's Cross, Dublin.  
Thrinax macula ♀. Hemiteles? ♂. Nemeritis? ♀.

26/5/31. Mesoleius sp. ♂ taken in garden at 14 Clareville Rd., Harold's Cross, Dublin, in evening. Odynerus pictus ♂ seen for first time 1931. Also ♀ Andrena albicans.

(7.)

27th May 1931. A glorious morning after a very fine day, but turning dull in afternoon & thunder & rain at night.

Afternoon 3 till 5.30 pm. No sun after 3.15 & insects just disappearing when I arrived!

Deerpark, Berrinscourt Co. WI. (gate to mill)

Andrena ~~hypocincta~~ <sup>(picta v. scotica / small)</sup> ♂ & ♀ beaten out of maple (in flower).

Ichneumon pilicornis 2 ♀♀ at logs. <sup>(one very large, one small)</sup> Bombus agrorum & lucorum 1 ♀ each seen.

Homocidus abdominalis? ♀ beaten out of spruce in "marsh of the logs".

"Hemiteles"? ♀ beaten out of spruce? (or oak).

[Cryptus ♀ taken in water coming through Quercus, etc.]

Dolerus bimaculatus ♂♂ & 1 ♀. D. gemmeri ♂♂

These all sent to Mr. B. Benson of B.M.

D. gemmeri ♂♂ beaten out of spruce.

Dolerus vertigialis ♂ of dark var. sent to Benson.

Salandria serrata? 1 ♂ in marsh

(All, except those beaten, taken during the few minutes before the sun went for good!)

Many beetles collected for E. O'Sherry including:  
Hydrophilus

[First Homocidus (pictus ♂) seen in garden, Harold's Cross, Dublin, on this date.] [Also a ♀ Graphocnemidius in garden about this date!]



31<sup>st</sup> May 1931. A dull day, E-SE wind, with drizzly rain at intervals till 2 pm. & no sun till on return journey! With Palmer.

Drove to Athy & then south to Ardagh, Tankardstown Bridge, down Queen's Co. side of river to Mayanagh, then to Carlow & back to Ardagh & home via Athy.

- 1 = sandpit opposite Ardagh House.  
 2 = sandpit (unpaved) S.E. of Farmhill } Co. KD.  
 3 = right bank of river at Tankardstown Bridge, Q.C.  
 4 = roadside S. of Mayanagh, field & marsh near Barrow, KD.  
 5 = railway N. of Carlow, Co. CW. these not separated when being labelled & so all marked [Athy, at Co. KD.]  
 6 = field near Spring House, S.E. of Farmhill, KD.  
 7 = gravel pit, 1 mile E. of Athy.  
 8 = roadside, field-banks & sandpit, near Walterstown between Kilsallen & Naas, Co. KD.

*Bombus lucorum* several ♀♀ seen during day.

*B. terrestris* 1 fresh out on Hawthorn at 8.

*B. lapidarius* 1 ♀ at 1. *B. deshayesi* ♀♀ frequent at 1, 4 & 5.

*B. muscorum* 1 ♀ at 5. *B. agrorum* ♀♀ frequent.

*Andrena nigroaenea* ♂♂ at 7 & 8. *A. albicans* ♀♀ at 8.

*A. vilkella* ♂♂ at 8. *A. subopaca* ♀ at 6 [? also at 8].

*A. fucata* ♂♂ at 8.

[*Promethes pulchellus* ♀ taken in notes near Brinkley, Co. DU. on return journey 31.5.31. A.W.S.] 9.

31/5/31 cont. Athy district: Cont.

*Halictus rubicundus*, *calceatus*, *albipes*, *freycenensis*, *nitidiusculus*, *leucopus*, a few ♀♀ at 8.

H. ♀ at 6 (Palmer).

*Nomada marshamella*, *gordanae* & (? *rupicornis*) at 8.

*Crabro dimidiatus* 1 at 5 (Palmer).

*Tenthredella leida* (black ♀ at 4 (Palmer).

*T. temula* ♂♂ & ♀♀ at 4 & 8. *T. pyrae* ♀♀ at 6 taken out of Hawthorn.

*T. mesomelas* 1 ♂ seen at 1.

*Tenthredopsis* sp. ♂♂ frequent at 1, 2, 3, 4 & 7.

2 ♀♀ taken at 7.

*Dolerus niger* 1 ♀ at 1. *D. humatoides* 1 ♂ in marsh at 4.

*Dolerus* <sup>palustris</sup> black ♂ at 1. *Pachypterus rufus* ♂ at 5.

[*Empria* ♀ ("probably the longicornis and Brit") & *Monophadnus geniculatus* ♂ taken at 3 at the SW corner of bridge, the only species taken in Queen's Co.!] <sup>VARIO</sup>

*Pteronidea myosotidis* ♂. Beaten off Hawthorn at 6. 6

*Meloboris* sp. ? ♂ at 4

*Lythys hirsuta* 1 ♀ on grass at 8. *Hemiteles bealensis* ? ♀ at 6 (beaten).

Most other ich. at 1. *Cratichneumon* ♂♂ at 1 & 4.

*Cataglyphis fortis* frequent at 1, 2, 4 & 5. *Mesoleptus* 2 ♂♂ in marsh at 4.

Amomid ♀ at Hawthorn at 6. *Cryptid* ♀ at 5, *dolus longicornis* at 4.



10.

3rd. June 1931. Very hot & humid, much v. hot sun in aft. after a very wet week.

Porouscourt demesne, Co. WI. Slopes up to & sand pit on plateau, just above Tinnahinch gate.

3.30 till 5.30 pm.

*Bombus lapidarius* ♀. *B. lucorum* ♀♀ + 1 ♂ on *Sycamore* (MDS).

*B. agrorum* ♀. *B. derhamellus* ♀.

*B. hortorum* ♀♀ on *Comfrey*.

*Psithyrus campestris*, v. black; *Ps. barbatellus* + *distinctus* [1 ♀ each].

*Andrena nigrescens* ♀♀. *A. vilkella* ♂♂.

*A. fucata* ♂♂. *A. fucata* var. with dark tarsi, 1 ♂ near gate, by annua.

*A. albicans* ♀♀. *A. albicans*? ♂ in sand pit.

*A. cineraria* ♂ + ♀♀ in sand pit.

*Halictus tumulorum*, *leucopus*, *rubicundus*, *calceatus*, *albipes* + *freycenii*, all in sand pit.

*Sphex divinus* very large ♀♀. *Sph. lyalinus* ♀♀, common.

*Sph. affinis*, very small form, ♀♀. All in sand pit.

*Nomada muscivora*, *rupicornis*, *lucida* + *parvula* ♀♀ all in sand-pit.

*Pompilus gilvus* on slopes & in sand pit; ♂♂ + ♀♀.

*Athalia* (♂ + ♀).

*Tenthredella temula* ♂ seen at barthorn by annua.

11.

3rd. 16/31 cont. Porouscourt cont.

*Cratichneumon* ♂♂ at oak.

*Agrypon* ♂ at oak

*Sphexphaga ruficornis* ♀♀ frequent near sand pit.

not a  
MDS + large  
Painted Lady  
butterfly  
annua.

7th June '31. A warm, very showery day & only some patches of sun. Morning (in museum in aft.)

Drove through terrific rain to Bray (there no rain) & worked sandy cliff at Vallambrosa, Co. DU = 1

Then to marsh opposite chapel at Kilmacanogue (Co. WI.) = 2 & Rocky Valley at W. end = 3. Very little sun!

*Bombus agrorum* ♀♀, very few, at 1 & 3. *B. muscorum* ♀ at 3.

*B. lapidarius* ♀ at 3.

*Andrena vilkella* ♂♂ at 1 & 3. *A. cineraria* ♂♂ + ♀♀ at 3.

*A. saundersella*? stylized ♀ at 1.

*Halictus rubicundus*, *tumulorum*, *leucopus*, *freycenii*

& *albipes* ♀♀ at 3.

*Sphex affinis* ♀♀ at 3, on Bellis.

1 ♀ on flowers  
of grass!



7/6/31 cont. Bray (Vallambrosa), Kilmacanogue & Rocky Valley <sup>cont.</sup>  
*Nomada marshamella* common at 3. *N. foderiana* 1 ♀ at 3.  
*N. parvutata*, ♂ on Bellin at 3 (joints to Palmer).

*Abia sericea* 1 ♂ swept in marsh at 2.

*Tenthredopsis* ♂♂ at 1.

*Selandria flavum* 2 ♂♂ at 2.

*S. stramineipes* ♀ on bucken at 3.

*Dolerus nigratus* ♂ at 2.

*Alongia debellator* red ♂ at 2.

*Zootrophus rufiventris* ♂♂ in marsh between roads at 3.

*Promethes cognatus* 1 ♂ at 2.

*Pimpla ruficornis* var. ♂♀ with long terebra. on marsh at 3.

*Catoplyptus fortipes* ♂ at 1.

*Hemiteles* ♀ long terebra at 2, at Hawthorn.

*Euphorus pallidipes* ♂♀ at 2.

10th June 1931. Afternoon: very stormy (S), hot, with  
 drizzle, only a little sun, except on my home.  
 3.30 till 5.0 pm. Right bank of R. Liffey, Co. WI.  
 just above Burgage Bridge, S. of Blessington.  
 Most insects beaten or picked off Hawthorn, but  
 practically no insects owing to pale. With Palmer.

*Andrena sericea* 1 ♀ on Dandelion (Palmer).

*A. wilkella*, very fresh ♀ on Hawthorn.

*Tenthredopsis* ♂♂, 1 dark ♀ + 3 brown ♀♀ on  
 Hawthorn.

*Tenthredella temula*, ♂ seen on Hawthorn.

*T. mesomela* ♀ on lilac flower in hedge near road.

*Dolerus gemmeri* 2 ♀♀ beaten off spruce & Hawthorn.

*D. picipes* 1 ♀.

*Catoplyptus fortipes* 1 ♀ on grass.

*Hemiteles* spp. ♂ & ♀ on Hawthorn.

*Stenomacrus* ♀ on Hawthorn.

*Promethes cognatus* ♂♀ on Hawthorn.

*Attractodes tenebriosa* ? on Hawthorn.

All labelled  
 King's River  
 Co. WI. A.W.S.  
 10.7.31.

*Andrena sericea* ♀♀ and  
 Hummingbird Hawk moth  
 seen at Rathmore  
 KD.







17/6/31 cont. The Scalp, Co. WI cont.

*Andrena subopaca* ♀

*Nomada ruficornis* & *marshamella* common on daisies.

*Tenthredella atra* ♀. *Dolerus picipes* ♀

*Selandria stramineipes* ♀. v RCLP.

*Strongylus lineata* ♀ ovipositing in bracken.

*Glypta "similis"* ♂

*Bombus terrestris* "virens" ♂ (broken & destroyed).

*Bombus pascuorum* ♂

*Exochus* ♂.

*Euphorus pallidipes* ? ♀.

*Aphidius* sp.

17/6/31 cont. Enniskerry Glen (Glenside), Co. WI.

3-30 till 5-30 pm.

*Bombus hortorum* 1 fresh ♀ seen. *B. agrorum* one or two ♀♀

*Pristyrus distinctus* 1 fresh ♂ in roots. A most remarkable early record, especially for a year when almost all the Bumble bees have been exterminated & practically no ♀♀ seen up till this date.

17/6/31 cont. Enniskerry Glen cont.

*Andrena fucata* 1 small ♀. *A. subopaca* ♀ on *Sanicula*

*Nomada ruficornis* ♀ on *Sanicula*.

*Athalia cordata* ♂.

*Selandria stramineipes* ♀ v RCLP.

*Tomostethus dubius* ♀ of type.

*Pachyprotasis antennata* ♂.

*Amphytelus oratorius* ♂

*Chorinaeus cristator* (♂?)

*Pimpla ruficornis* ? ♀ very large. *P. tarsionellae* 2 ♂♂.

*P. maculator* small ♀.

*Cataglyphis portipes* ♂.

*Ichneumon delicatorius* ? ♂.

Brown 1st has small bred stamp from mound from which hatched one

*Phygadeuon* aculeator ♂♂ on 26/6/31 & 27/6/31. { Returned with Palmer to Enniskerry Glen about 28/6/31 & brought home more of the same. Some of which hatched one more ♂ *Phygadeuon*, a few *Spathius*, during July, and 4 ♀♀ of *Diaprius areolaris* Hal. etc. - Sept. 1931.

*Phygadeuon* ? ♂♂ on 26/6/31 & 27/6/31.

19th June 1931. Evening of a poor day! 8 pm.

Taken on Ellen's lilac tree overhanging garden of 14 Clareville Rd., Rathgar, Co. DU.

*Orthocentrus* ♂♂ 2 ♂♂ & 1 ♀ { 2 ♂♂ of 1st ♂ (testaceous) of another of

*Orthocentrus* ♂ & ♀ of 2nd ♂.



21<sup>st</sup> June 1931. A fine day, very warm, sunny, with strong westerly wind. The first fine Sunday for many weeks!

10.30 till 12.30 noon. S. side of Bray Head, Co. Wicklow, along old railway.

Not many insects out, no doubt owing to bad weather previously. Many Painted Ladies & some *Hel. peltigera*, very warm, from the recent immigration.

*Andrena nigroaenea* ♂♂ & ♀♀ numerous in same place.

Shaw Saw ♂♂ on 9.4.31.

*G. subopaca* ♀♀.

*Halictus rubicundus*, *villosum* (common), *nitidus* & *tumulosus* ♀♀.

*Sphæroderes divinus* & *affinis*, 1 ♀ each.

*Nomada marshamella* & *gordeniana* both common, all ♀♀.

*Pemphredon shuckardi* ♀.

*Psithyrus dimidiatus* ♂. *Aspilota* *shuckardi*? 1 ♀.

21/6/31 cont. S. side of Bray Head cont.

[*Mesochorus* ♀ & another sp. (Cynipid) taken in car near Greystones!]

23/6/31 Evening 7 till 9 pm., with Palmer.

Down to central lodge (late Brady's) Glenasmole, Du.

to watch *Rhyssa percellens* ♀ boring in trunks on footbridge & feeding by lower reservoir.

During the early part of the boring process the ovipositor has the sheath held in position & all three seem to be gripped between the mid coxae: later when the drill has entered the wood the sheaths are drawn away & the ovipositor has no support from the coxae. See sketch.

Many ♂♂ & ♀♀ seen

though reported by Palmer & Westropp some weeks previously!



23/6/31 cont. Glenasmole, Du. cont.

Many larvae beaten off Salix cinerea, Populus  
serotina & a few from Betula, including one large larva  
of ? Trichosoma. From the poplar I collected a  
lot of mines made by a sawfly larva?

Along edge of Upper Reservoir I took several ichs. &  
sawflies & some also beaten off Salix on upper dam.

Tenthredo kinds ♂ seen. T. melanura seen.

Tenthredin 3♀♀, one nearly black, one black & red &  
the third tuffe-coloured, all beaten off Salix.

Schizocampa pilicornis 2♀♀: one on paling by lower reservoir  
Don Palmer took Phragma bipunctatum & one on  
branch by upper reservoir.

Mesochorus murinus 1♀ on branch by upper reservoir.

Bombus lucorum ♀♀ & ♂♂ frequent.

24th June 1931. A fine afternoon (anti-cyclone) after a wet  
night & dull morning: cool, with strong E. Wind, but  
all sunny. Not much out & very little seen in  
deer park.

Boysen Court, Co. WI. Lower end of deer park = 1

Slope on rt bank of river just below deer park = 2.

Bombus agrorum & terrestris ♀♀ seen.

Andrena fucata ♂♂ & ♀♀ at 2. A. lapponica 1♂ at 2.

A. subopaca ♀♀ at 2.

Homalictus flavipes ♂ & ♀ at 2.

{ Various common Haliictus  
seen at 1 & 2.

Gorytes mystaceus ♀ at 2.

Nymphaea sp. ♂ at same place.

Tenthredella melanura at 2.

Dolerus bimaculatus ♂♂ & ♀♀ at 1. D. gemmatus ♀♀ at 1.

D. picipes ♀ at 1. D. niger 1♀.

Trichostus at stump at 1.

Homocidus fuscicornis ♀? at 1 or 2.

Alomyia debilis, red ♂ at 2.

Red Trichostus mostly on north side.



25<sup>th</sup> June 1931. *Bombus lucorum* ♂ seen in Thyme  
in front garden, 14 Clareville Rd. D.C.  
26<sup>th</sup> June 1931. *Oedematopsis scabrida* ♀ taken in garden

28<sup>th</sup> June 1931. A perfect day, after misty morning!

Drove to Coan, Glen of Anaal & ascended  
Lugnaquilla via Little Slaney. C. W. I. Palmer

Stopped in Merginstown Glen on route. Here took

*Aerodactyla degener* ♀, only: = 1.

Stopped again 10-30 till 11.0 AM at bridge over Slaney

at Davidstown = labelled "Glen of Anaal: 18"

Then drove on to Coan & collected for two hours  
up the Little Slaney to about 1/2 mile above the  
old military reservoir = ~~"Glen of Anaal: 3"~~ Coan  
C. W. I. A. W. S.  
2 = No. 3.

Then climbed up slope of Lug to near summit

& examined *Salix herbacea* for sawflies, but none

seen & dropped into N. Prison, saw Parsley Fern  
& came out at bottom. Here, on cliff of N. Prison  
took 2 Tryphonids & on floor of Prison & old lake site  
1 large Tryphonid & small reddish ♀. Also saw

& also saw *Dolerus aeneus* = "Lug. ~~flora~~ ~~flora~~ 4"

On descent & after tea again collected of Little Slaney close  
to road at 6 to 7.30 pm. = "Glen of Anaal: 5"

Coan. S.

28.6.31 cont. Glen of Anaal & Lug cont.

*Bombus agrorum* only 1 ♀, seen at 3, all day.

*B. lucorum* 1 ♀ reported by George from 3, 1 ♀ seen  
near 2 in evening on Snowberry flower in hedge.

*Andrena albicans* 1 ♀ on willow catkins seen by Palmer

*A. pectorata* ♀♀ at 3 & 5. *A. fucata* var. <sup>with almost-dark</sup> <sup>kind</sup> <sup>dark</sup> <sup>at 2.</sup> <sup>high up at 3.</sup>

*A. subopaca* ♀♀ common at 3 & 5.

*A. cineraria* ♂♂ & ♀♀ in colony at 5.

*Halictus calceatus* abundant at 3 & 5. *H. altipes* ♀ at 3.

*Nomada lapida* very red & fresh ♀♀ at 5.

*N. fabriciana* fresh ♀♀ at 3 & 5 near pond but no  
sign of a possible nest! *N. flavipennis* ♂♂ & ♀♀ at 3 & 5.

*Odynerus pictus* 1 ♂ at 5.

*Tenthredella leucis* seen!

*Tenthredella atra* ♀ at 3. *T. pallens* ♀. *T. mesomelas* ♀

*Rhyssalus viridis* ♂♂ & ♀♀ very common at 3.

*Dolerus aeneus* 1 ♀ at 5.

*Tenthredopsis* ♂♂ at 3.

*Selandria rufa* ♀ at 2. *Tom. luteiventris* ♀♀ at 2 & 3.

*Strombosus delicatulus* ♂ seen at 5.



28.6.31 cont. - Glen of Linnah & Lug. cont.  
*Pimpla* <sup>dark femora & banded tibiae</sup> *ceratitor* ♂ at 3. *P. maculata* small dark ♀ at 2.  
*Glypta elongator* ♂ & *ceratitor* ♂ at 2.  
" *similis* ♂ & 1 ♀ at Salix at 3.  
*Homocidus benignus* ? ♂ at Salix aurita at 2 below <sup>on left bank</sup> *resurrex*.  
*Acrodactyla degener* 1 ♀ on bramble (near bridge) in *Margination* Glen = 1.  
*Tryphon* <sup>hybrid (26 dorsum)</sup> ♂ at 3. = I think *Eromenus punctulatus* ? AWS Jan. 1932.  
Large *Tryphon* ♂ in *P. Prunum* same place at 4.  
Small ich. in same place = *Promethes dorsalis* ?  
♀ *Tryphon* near top of cliff, South of *Prunum* 2, 200 ft. *Scutellum*  
*Tryphon* same place but ca. 2400 ft. *Scutellum*  
*Chorebus* at 3.  
Red *Pompilid* ♂ & ♀ in marsh at 2.  
*Zostrophus ruficornis* 2 ♂ at 2. *Mesochorus notatus* ♀  
*Chloroceryle* ♂ at 2.  
*Chorebus* *unifemur* ♂ at 2.  
*Leptocryptus* at 2.  
*Stenomacrus* ♂ at 3.

1st July 1931. A fine afternoon with good sun till 4 pm but then quite dull.  
2.30 till 4 pm. field just N. of Glen of the Dorn (in front of below hotel!) G.W. = 1. There a fine stump of tree, long seen but not before examined.  
4 till 5.30 pm. Stumps & fields at foot of Glen of the Dorn on Delgany - Kilpedar road, W.I. = 2.  
*Bombus agrorum* several ♀♀ seen. *B. lucorum* ♀ seen.  
*Halieta* several ♀♀ seen, like *albipes*.  
*Prenatalus pallipes* ♂ & ♀♀. } Both abundant at the  
*Trypoxylon claricornum* ♂. } big stump at 1.  
*Odynerus nigrator* ♂ & ♀♀ with last ♂ seen before 2.40 in the stump. *O. <sup>parietinus</sup> ~~pallipes~~* ♂ at 1.  
*Pemphredon shuckardi* 1 at 2.  
*Bethylus pascicornis* 1 on birch tree (with borings) at 2.  
*Crabro dimidiatus* ♂ at 2 & *Gorytes mystaceus* ♀ near 1. <sup>not labelled "2"</sup>  
*Tenthredella linde* ♂ at 1.  
*Selandria stramineipes* ♀ at 1. ✓ RCLP.

*Glypta praeceptor* 1 ♂ at 1. *Chorinae* 3 at 1. } ? ♂ & 2 ♀♀ of *6 cristator*  
*Trichista* at 2.  
*Perilissus apulvator* ?? at 2. *Centistes laudator* ? ♂ (AWS 7.7.31).

[On evening of 2nd July Palmer & I brought home more dried stumps from *Cantharus* Glen & from there emerged *Phidion areolaris* ♂ on 7.7.31 & *Spilthrus* ♂ on 7.7.31; & etc. - Sept. 31] several ♀♀ of the *Proctos* *Disogmus areolaris* Hal.]



4<sup>th</sup> July 1931. First *Megachile* (*Willughbiella* ♂) seen  
in garden at 14 Clareville Rd. in evening.  
Also bumblebees!

5<sup>th</sup> July 1931. A wet morning, fine forenoon, but  
afternoon again wet, with thunder & heavy rain.  
Bog-league Glen & Athdown = 2, Co. WI.  
11 AM till 1 pm. Considerable sun, windy!

*Bombus jonellus* & *agrorum* ♀♀ in respiration at 2.  
*Andrena tarsata* & *coacta* ♂♂, abundant &  
nesting in old road up glen at 1.

*A. subopaca* or *maurandella* ♀♀ seen at 1.

*A. villosa* 1 ♀ at 1.

*Nomada flavipunctata* ♀♀ at 1.

*N. pubescens* large ♀ at 1, (? lost).

*Bombus varius* ♀ at 1.

*Pemphredon ruficornis* at 1.

*Tenthredella batata* ♀ seen at 2. *Rhyssalus viridis* at 2.  
*Dolerus aeneus* ♂ at 2.

*Glypta cincta* ♀ at 1.

5/7/31 cont. Bog-league & Athdown cont.

*Alomyia debellator* a black ♂ taken, red one seen, at 2.

*Homocidus brevicornis* ♀ on *Salix* bushes in wood at 2.

*Euclyptus* ? 2 ex } above mentioned at 2.

8.7.31. Evening, 7-7.30 pm. Fine evening, after several poor  
days. Garden, 14 Clareville Rd., Harold's X, DU.

*Mesochorus* at white currant bush.

*Homocidus* ?

*Homocidus* ♂. *H. pictus* ? ♀.

*Bombus lucorum* ♂

*Orthocentrus* or *Orthocentrus* ♂.

♂ of vol. 1.

*Bombus lucorum* ♀♀ & ♂♂ abundant on Thymus,  
*Campanula* & *Bistorta*. Fresh ♀ entered house on  
previous day.

*B. agrorum* ♀♀, a few seen.

[Feb. hatched out of *Euclyptus*, sawfly, just.]



9th July 1931. George's 12th birthday! A fine day,  
warm & calm, but little real sun, though  
clouds thin. Afternoon!

4 till 6.15 pm. Upper part of Devil's Glen, Co. WI.

*Bombus lucorum* a few ♂♂. *B. agrorum* a few ♀♀ & ♂♂.

*Halictus tumulorum* 1 ♀ seen.

*Crabro varius* 1 ♀ more like *palmeri* 'AUS. 12/1/39.

*Atthalia lutea* ♂ & *A. cordata* ♂ in marsh near road.

*Blennocampa tenuicornis* ♂: possibly swept off *Salix*, swept off *Salix*.

*Tenthredella lineata* ♂ & *T. macromela*.

*Lampronia* ♀ on bramble shoot at zig-zag.

*Glypta elongator* ♂ & ♀♀ (some reddish abd.) swept off  
rushes & c. in marsh near road.

*Pimpla brevicornis* ♀ (+ ? ♂).

*Homocidus* ?

*Promethes laticarpus* ? 1 ♂.

*Aspilota* ♂ in glen

*Microplitis* swept off rushes & c.

*Helictes* ♂

Diptera: *Agrotis lineata* (swept off by R. L. Lee, Aug. 1931).

13. Many ichs swept off rushes, *Salix* ♂: along ditch not  
far below main road at top of glen.

Also many Braconids & a few Ichs taken in motor on  
out & return journey: these dated & labelled "In motor, WI 1931".  
*Sigalphus pallidipes* 1 ♂, 3 ♀♀

9.7.31 cont. Braconids 1 taken in motor, WI or DU?

[Only one labelled: this a Braconid & labelled "Guthrie". 6.11.31]

12th July 1931. A fine day (with falling glass!), mainly cloudy  
after 2 pm., hot, after a very wet night. With Palmer  
Rathfriland, Co. WI. Vale below station to Annadale  
footbridge on right bank of river, returning by left bank.  
Unless otherwise stated all taken near station between

11 AM & 12-30 noon.

11.0 AM till 3.0 pm.

*Bombus lucorum* ♂♂. *B. hortorum* ♂♂. *B. pratorum* 1 ♀.

*B. lapidarius* 1 ♀. *B. agrorum* ♂♂ & ♀♀ seen. All v. rare!

*Andrena fucata* some ♀♀ seen. *A. subopaca* ♀♀. *A. coarctata* ♂♂

*Halictus leucopus* & ? *villorum* or *nitidus* ♀♀ seen; v. rare!

*Nomada ruficornis* ♀ seen. *N. flavoguttata* ♀♀ frequent.

*Compiliter spurius* ♂ near station & ♀ at Annadale footbridge at station  
& river.

*P. ruficornis* ♂♂ & ♀♀ seen. | *Myiarchus villosus* ♂ at  
Annadale bridge.

*Gryllus agrarius* ♀♀. *Agrotis variegata* ♀.

*Odynerus 3. fasciatus* ♂ & ♀ near station.

*Crabro varius*, *vagus*, *clivivivus*, 1 ♂ & 1 ♀ (canipum or *chrysotomus*?)

[No *C. aphidum* taken, but possibly one seen at top of cliff  
outside tunnel near station, where Goat Willow on which  
it was previously taken has been carried away by a  
land-slide into river.]



12.7.31 cont. Rathdrum cont.

Hemiteles fuscipennis ♂ at Armdale footbridge.  
Atalia & Stenomacrus delicatulus & St. lineator ♀ seen.  
Pimpla oculatorica 1 ♀. P. elegans 1 large ♀.  
Lissonota variabilis ♀ at gate post of Armdale bridge.  
Barichneumon deletus? ♂

Automalus alboguttatus ♂

12.7.31 cont. 3.15 till 5 pm. Both banks of river above  
 Castle Howard bridge, Meeting of the Waters, Co. WI.

Very little sun!

Andrena humilis: possibly 1 ♀ seen by Palmer at meeting site  
 but no ♂♂.

A. cortana ♂♂ common, 1 ♀ on railway at junction.

Sphex peripatus ♂ at A. humilis colony.

Hylaeus minutus ♀ on junction on railway.

Very few insects out & no ticks seen!

12.7.31 cont. Some Braconids & Proctos taken  
 taken in car on outward & return journey, mostly  
 in Co. WI.

Mesochorus ♂ taken S. of Ashford, near Ballyglade  
 cross rd.

16th July 1931. About six sp. of ticks taken garden at Harold's Cross, DU. in evening.  
Hemiteles ornatus ♂? Stenomacrus ♂♀ on Ellis luteus bud. Mesochorus sp.  
Pimpla maculator ♂. Compilobius — Pteromalus ruficornis ♂ & ♀ & ♂.

16th July 1931. Aft. stormy & dull!

Drove George & Hugh to Talley Hill, DU.

Vespa austriaca ♀ at 700 ft.

Small black tick taken in car. = Attractodes tenebrioides?

### Summer Holiday 1931.

17th July 1931. A hot - warm day: no sun.

Left Dublin at 11 AM. & drove to Rossmore,  
 Co. DU. Here lunched in car. Then on to  
 to Portloman, DU. Here called on Rev. W.F. Johnson  
 & on to Kilkenny.

Aphidius ♂ taken in car at Rossmore  
 but no other hymenoptera seen.

apparently lost or destroyed!  
 on 7/11/31.



18th July 1931. A warm sunny day, with  
sun out, in aft. & then rain.

Morning 10 till 1 pm. Coast, & near Larkme,  
Kilkeel, Co. Down. No sun: shower.

*Bombus lucorum* 1♀.

*B. agrorum* 1♀, 2 or 3♀♀.

*Myrmica ruginodis* & *Formica fusca* ♀♀.

*Athalia lugens* ♂ + ♀. & *A. <sup>lineolata</sup> cordata* 2♀♀.

*Tenthredo areolata* or *perkinsi*

*Pachyprotasis*.

*Glypta biornis* v. *rostrata* ♂♂ + ♀.

Afternoon 3 till 4 pm. Some hot sun, windy.  
Branfield, near Greencastle, Co. DO.

*Odynerus trimarginatus* ♂♂ + ♀♀.

*Tenthredo*

*Pachyprotasis rapae* ♀

*Liostoma aphidivora* ♂♂

*Banchus volutatorius* ♂. *Ectaster illucor*

*Schneumon* ♂. I. ... ♀♀.

*Attractodes* *crucians*?

18.7.31, afternoon, cont. Branfield, DO. cont.

19th July 1931. A promising day spoiled by heavy  
showers (& S.W. wind in morning).

Morning 10 till 1 pm. Coast N. of river mouth  
Kilkeel, Co. Down.

*Bombus lucorum* ♀ seen.

*Andrena coitana* ♀♀ on pasture.

*A. dentilata* 1 ♂ swept (?? *Hypocheris*)

*Habitus rubicundus* 2 ♀♀ seen.

*Hylaeus minutus* ♂♂ on Wild Carrot below cliffs.

*Pompilus pittus* 1 ♀ on Wild Carrot. *Odynerus trimarginatus* ♂.

*Pteronidea myosotidis* 1 ♂ swept: "sport," see R.C.H.P. letter of 6.4.32.

*Tenthredo areolata*. More common than on previous day.

*Schneumon servitorius* ♀♀ on Wild Carrot, &:

" ♂ red & black. do. do. ♂ yellow & black

*Pimpla turinellus* ♀. *Pychocryptus peregrinator* ♀? *Glypta viduatorius* ♀?

*Banchus volutatorius* ♂. *Homocidus nigriventris* ? ♂

Tryphonid, small sp. ♀: ? same as taken here on 23.7.31 & in A.V. on 25.7.31  
[aff.]

*Alysia menducator* ♀ on Wild Carrot.

*Bracon* ♀.



19th July 1931 cont.

Afternoon. Roadsides, 0° inland (NW.) of Kilkeel, DO.

*Bombus lucorum* ♀♀ + ♂♂ very rare. *B. agrorum* 1♀.

*Andrena denticulata* 1♂ on *Leontodon* near bridge, on river N. of K.

*A. saundersella* a fresh ♀ in old sand pit at same place.

*Halictus villosulus*, a very large ♂ at same place in *Geranium*.

*Allantus calceatus*? 1♂ on *Salix*, inland.

*Alomyia debellator* roadsides.

*Crabro dimidiatus* 1♂ on *Salix*, inland.

Labelled  
Kilkeel  
Co. DO. A.W.S.  
19.7.31 aff.

*Ametastegia equestris* ♂. ✓ R.C.L.B.

*Empis maculata* ♀? with pale stigma.

*Phaenocarpa bicolor* 1♀ (? There taken!): agree with specimen in Halictus coll. named by Morley! A.W.S. 10.11.31.

Collected at *Salix* inland.

20th July 1931. A fine day spoilt by clouds & keen N. wind! Very little sun!!

Morning 10.30 till 1 pm. Coast N. of Kilkeel Harbour, DO.

*Bombus lucorum* ♀♀ + 1♂. *B. lapidarius* 1♀. *B. hortorum* 1♀.

*B. muscorum* several ♀♀ on *Thyme*, 0°. *B. agrorum* ♀♀.

*Andrena gurganensis* 1♂, 2♂ brood. *A. denticulata* 1♂ on *Hypochaeris*.

*Halictus villosulus* 1♀. *Hyaleus minutus* ♂♂.

*Pompilus pitarus* 1 fresh ♀. *Myrmica ruginodis* ♂♂ + ♀♀, (no winged ♀♀).  
*M. scabrinervis* ♀♀.

20.7.31 cont. Coast N. of Kilkeel cont.

*Pemphredon lethifer* several on *Oenothera cruenta*.

[? *Tachysphex pectinipes* seen]

*Atthalia* + *Tenthredo* seen.

*Cryptus viduatus* ♂♂ common. *Pterocryptus peregrinator*? ♀♀.

20.7.31 Afternoon: mostly dull & cold, but several short sun-bursts.

Drove to gap on Hilltown road, turned & came back to pine clad hill N. of Yellow Water ca. 900 ft. alt. Here collected numerous ichs & by sweeping bracken & other vegetation at about 750 ft alt. These labelled "Pine Hill, Mourne, Co. DO."

Then drove down old road W side of Mourne Park & collected in valley of tributary on W. side of White Water near Tullyframe. Here took many ichs by sweeping rushes, &c in valley & these labelled "Tullyframe, Mourne, Co. DO."

P.T.O.



20.7.31 cont.

Pine Hill Mounse, Co. Do. 3 till 4 pm. <sup>mittatus?</sup>  
*Mesochorus* <sup>fulvipes Thoms?</sup> 1 ♂ swept off fence. 7m of ♂ on bushes.  
*Leptopygus* *harporus*? abundant on bushes.  
*Campoplex* small ♂.  
*Phygadeuon*? ♂.  
*Bracon* 3.  
*Proctos* 2.

20.7.31 cont.

Valley near Tullyfrane, Mounse, Co. Do. 4.15 till 5 pm.  
*Glypta elongata* ♂ + ♀♀ swept off bushes &c.  
*Pimpla maculator* ♀ on *Salix*.  
 Red pompilid abundant on bushes. *Theridion* ♂. ♀?  
*Hermetia* ♀. *Phygadeuon*? ♂.  
*Pezomachus* sp. black ♀.  
*Apanteles* sp. ♂ + ♀? some sp. black legs. *Aphidius* sp. ♂.  
*Dacnusa* sp. ♀.  
*Atalia* *lupus* ♀. *A. cordata* ♀. *A. lineolata* ♂ + ♀.

*Andrena subopaca* ♀?*Myrmica ruginodis* ♂.

21<sup>st</sup> July 1931. A dull day, with rain from  
 SE after 2 pm. Warm & nearly sunny about 1 pm.  
 Drove via Newcastle & Gendrum to Rathmullan,  
 on N. shore of Gendrum Bay, DO. Here coll.  
 in sandhills on very promising ground for  
 an hour, but too dull & windy for insects.  
*Pompilus pithus* 2 ♀♀.

*Tachysphex pectorator*

*Bethylus fasciicornis* 1. Then seen!  
 Small *Proctos* & Chalcid

*Pteromalus myrmecophilus* ♂ taken in car near  
 Tyrrel's Ho.

*Cochlius niger*? Swept off narrow grass.  
 [*Pimpla maculator* ♂ taken on railway near Clough]

21.7.31 cont. Drove on through Killybeg, Ardara  
 Kilchief to Stranorlar & home via Drompatrick.  
 Stopped at Benders Bay for half an hour.  
 There common *Festuca* colony of *Colletes dominicus*  
 is but saw no sign of life, except *Tentredo arenaria*.



22 July 1931. Another dull warm day with falling barometer & rain in aft. & evening. Morning 10-30 till 1 pm. Very windy, no sun!

~~Bombus muscorum~~ 1 ♀ seen

Coast N. of Kilkeel Harbour as before, DO.

Bombus muscorum 1 ♀ seen.

Andrena coitana 2 ♀♀ seen.

Pemphredon lethifer 1 ♂ on bramble.

Myrmica scabrinodis ♀

Alomyia debellator 1 red ♂ seen on Heracleum.

Melanichneumon rufinator ♀ seen on bramble

Glypta ceratites ♂.

Small species (Braconids, Pteromalids etc.) swept along cliff path; including 1 ♀ Promethes.

22.7.31 cont. In aft. drove up to Silent Valley & saw over new Belfast Water works.

23 July 1931. A fine day, but not much sun in morning & windy (SW) all day!

Morning: 11.30 till 1.15 pm.

Coast N. of Kilkeel Harbour as before, DO.

Bombus muscorum ♀ + ♀♀ seen. B. agrorum 1 ♀.

Megachile (? versicolor) ♂ seen resting on boulder in bank below cottage, for one instant.

Halictus rubicundus 2 ♀♀ seen. H. <sup>villosum</sup> ~~obscurus~~ 1 large ♀.

H. leucopus 1 ♀ on Thymus.

Hyalaeus minutus ♂ + ♀♀ on Juniper & Barb.

Pemphredon lethifer ♀

Odynerus trimarginatus on heather - bank by road to track.

Chrysis ignita.

Tachysphex pectinifer below cottage on sea bank.

Pompilus gittus ♀♀.

Salix caudatus large ♀ on carrot near Larkspur footbridge.

Lasius niger obscurus? 1 ♀ kept.

Terthra 'arcuatus' ♂ + ♀ in cop. taken.

Ichneumon sp. 2 ♂♂. I sp.? smaller ♂. I. sp. ♀.

Pycnocryptus pugnator ♀. Anthylus ♂.

Trophonid? same sp. as taken here on 19.7.31. {6150? same as taken at Ballyally, AN, on 25.7.31 (aft.)}

Homocidus obscuripes 1 ♂.



23.7.31 cont.

Afternoon 2.30 till 4.30. Windy, some poor sun!

Grangfield Bay, Greencastle, Co. DO.

*Bombus distinguendus* several ♀♀ on *Raphanus*  
*maritimus* at N. end of bay. *B. muscorum* 1♀ seen.*Andrena rufocincta* 1 ♂ & 1 ♀ on *Matricaria inodora*.*Halictus rubicundus* ♀.*Odynerus trimarginatus* ♀.*Pompilus gilvus* ♀ on carrot.*Pachyremata rubicincta* ♀ swept off mixed herbage at S. end of bay in hay  
field. *Tenthredo* ♂ & ♀ in cop.*Limona bellator* first ♀ of season seen! - Her start 2-3-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587







26.7.31 cont. Glenarm & Glendun, Co. AN. cont.

*Chaenon anceps* ♀ in wood at 3.

*Many ich.* at 1, 2 & 3.

*Alomyia debellator*, red ♀ at 1. *Tryphon elongator* ♂♂ at 1 &

*Glypta elongator* ♀ at 2; *G. marmoreus* ♂ at 2; *G. signatus*? ♂ at 2.

*Microgaster extensor* ♀ on head of *Holcus* sp.

*Cryptus* sp., *Microgaster* ♂ & *Proctos* *latipes*? ♂ at 4.

*Leucospis errabunda*? ♂ at 2.

27<sup>th</sup> July 1931. A wild day, after a moderate morning:

very little sun & none after noon: very little out.

Drove via Knockduff & Glenarm Valley to Glenarm & collected for several hours in old quarry just N. of village, as before (see 26.7.31 station No. 1). Left at 2.30 pm & drove home via coast, old road to Cairnmore, Sallagh Bay & Killybegs road to Lorne. Co. AN.

*Bombus lapidarius* ♀ & ♀♀. *B. lucorum* ♀♀.

*B. hortorum* ♀♀ on *Stachys* *neglecta*. *B. agrorum* ♀♀.

*Megachile versicolor*: a worn ♂ or a very flower of *Centauria* *nigra*.

27.7.31 cont. Glenarm, AN, cont.

*Andrena albicans*, very worn ♀ in *Heracleum*.

*A. fucata* 2 worn ♀ in *Heracleum*.

*A. gurganensis* (2 + wood), a ♂ & a ♀ in *Heracleum*.

*A. saundersi* ♀♀ in *Heracleum*.

*A. coitana* ♀♀ in *Heracleum*.

*Chrysis ignita*? on chalk scarp.

*Tenthredo* a few, ♀ taken.

*Athalia cordata* ♀.

*Glypta ceratites* 2 ♂♂, with very robust "Lorn".

*G. marmoreus*? ♀.

*Prigla* sp? ♂.

*Alomyia debellator* ♂ seen.

*Campoplex* ♀.

*Aspilota* ♂.

*Homocidus* *nigilans*? ♂.



28th July 1931. Gale, following wet stormy night,  
with heavy glass & little sun till twilight.  
None till 4.30 pm.

Glencriff & Barmore Glen, Co. AN.  
Almost all collected in Barmore Glen (= the Glencriff  
of the tourists!) except *Schneumon* ♂ &  
*Tenthredo "arvensis"* ♂. which taken on hillside.  
*Bombus agrorum* a few ♀♀ seen (the only Bumble).  
*Andrena fucata* a very common ♀ on Angelica on hillside.  
*Tenthredonidea* ♂ & ♀ in grass in glen.  
*Tenthredella atria* ♀ in glen.  
*Bartholomaeus rapae* ♀ on bramble in glen.  
Red Cuckoo-like Motmot on spruce in glen.  
*Cratichneumon rufipennis* (2 ♀♀ in glen!)  
*Tryphon* ♂ & several smaller spp. all in glen.

Larvae of *Pteronidea*? on Hazel & *Crocus*? on Port Hills.

29th July 1931. A wet morning & no clearance till  
about 2.30 pm. Then fine & very hot till terrific  
thunder shower at 4 pm put an end of collecting.  
~~3.0~~ 3.0 till 4.0 pm.  
Barlough Glen, Co. Antrim.

29.7.31 cont. Barlough Glen, AN.

Obviously very good ground if only weather good!  
*Bombus agrorum* ♀♀. *B. jonellus* 1 ♂ seen.  
*Vespa sylvestris* ♀♀ on *Scrophularia*.  
*Hylaeus confusus* 1 ♀ on bramble leaf.  
*Odynerus pictus* ♂ seen & nest of *Stictia* chalk on  
black basaltic boulder discovered by M.S.S.  
*Pompilus nigerimus* ♀ on guano tip.  
One or two ♂ *Schneumon* spp. taken on ruin tank  
behind town; rest of ichneumonids taken in glen before  
thunder came.  
*Pimpla flavicornis*? ♂.  
*Tryphon* ♂ & ♀ with "minutus" scabrous!

*Cratichneumon* ? *annulatus* ♀.  
*Schneumon* sp. 2 ♂♂ large & 1 ♀ smaller ♂ (see above)

*Aspilota confusa* ♀ (18.7.30) taken in water on returning journey.

*Tenthredo* ♂ & ♀ in cop. taken.  
*Athalia cordata* ♂.  
*Stenomacrus delicatulus* ♀.

Larvae of *Proctos*? on *Salix cinerea* (white leaves).

29.7.31. On returning journey C. to Barlough Glen, some small hymenoptera  
taken in car. There all labelled Barlough Glen, but on  
back of label "St. water" as well as "18.7.31".  
The 1st ♂ of sp. taken on N. side of Barlough Glen.  
Barlough Glen, Co. Antrim.



30th July 1931. A showery day, dull in morning but with a few sun bursts & showers in aft. Drove to Bushendun & collected along west side of moraine. There rain has cut a face in it (= 1) (here much good ground along deserted oxbow grain) then (1 pm) drove up to viaduct where took 3icks & down left side of valley to old wood (a type); here collected from 2.0 pm till 4.30 but no sun till 4 pm. Wood = 2. Glendun, Co. AN.

*Bombus agrorum* ♀♀ at 1. *B. hortorum* 1 ♀ at 1.

[That looked like a ♂ *Pithyrus distinctus* seen at 2]

*Andrena subopaca* ♀ in wood at 2. *A. coitana* {at viaduct. *A. fucata* ♀ } in beneath cross.

*Homada* seen at 2, in wood, ? species.

*Mellinus arvensis* ♂♂ & ♀♀ abundant - at 1.

*Crabro* [*dimidiatus*, *Trophon*] ♀♀ resting in wall in Bushendun village & carrying their home; one seen with fly under left hind coxa, but George saw one with fly under right coxa.

*Tenthredo* ♀ at 1.

*Pachyprotasis antennata* ♀ on birch at 2.

*Athalia* seen at 2.

*Pteronidea* "n. sp. Irish" (See R.P.L.P. in Ltt. of 6.4.32!) at *Salix cinerea* in wood at 2. with sticky tears.  
= *fuscicornis* Benson (v. 1933. 1934).

30.7.31 cont. Glendun, AN, cont.

*Pimpla turinellae* ♂♂ at 2.

*Homocidus* <sup>superior</sup> *Co.* ♀ at 2, on *Salix*. 4 *cinerea* ♂.

*Promethes* <sup>pubescens</sup> ♀ at 2.

*Red* *Camptopogon* abundant in *Salix* at 2.

*Ichneumon* sp. ♂ at 2.

*Pimpla turinellae* 2 ♂♂ at 2.

*Tryphon elongatus* at 1. *Attractodes* *testaceus* ♂♂ & ♀♀ abundant at 1 on *Salix*.

*Tryphonid* ♂ at 2.

4 *sp.* of *Tryphon* at 2.

[Taken in motor at Lanes, Co. AN, on return - aft. 30.7.31. *Stilpnus* *pygmaeus* ♀.]

31st July 1931. A dull day, warm, with much rain in afternoon.

11.0 AM till 1 pm

Waste ground at S. end of the Carran, Larne Harb. Co. AN. Mostly taken on *Heracleum* & *Sonchus*.

*Bombus lucorum*, *agrorum*, *lapidarius* 1 ♀ & *hortorum*.

*Odynerus trimaculatus* 1 ♀.

*Tenthredo*

*Pteronidea* *xyptoides* ♀.

*Pachynematus obductus* v. *near* *conductus* ♀.

} v. R.C.L.P.

cont. p. 1.0



31.7.31 cont. The Curran, Parua, A.N. cont.  
*Ichneumon stramentarius* ? ♂ & ♀  
*I. caricetorum* ♂ & ♀

*Alomyia debellata* ♂ & ♀, variable in size & colour.  
*Atractodes tarsatorius* ♂ & ♀ abundant  
*Homocidus elegans* 1 ♀. *Levinella crassipes* ♀. *Pimpla detrita* ♀.

31.7.31, afternoon. Left home at 2.30 p.m.  
 & drove to Bonaparte, C. Do.  
 Stopped at Whitehead, C. AN, & bottled a lot  
 of small flies & c. in car.

*Levinella crassipes* ♀

*Aphidius* ♂ & ♀

Chalcids with long antennae

1<sup>st</sup> August 1931. A perfect day after a foggy  
 & wet night. Light E. breeze & all sunny.  
 HAM till 1.30 PM. Bed & breakfast 'put' by railway  
 at Herdston, D. dec. C. Do.

Most notes taken on Dancus or Heracles.

*Bombus terrestris* 1 ♀ caught & identified & labelled.

*B. lucorum*, a group. *terrestris* & *muscorum*

*Psithyrus 'destructor'* ♂ & ♀ frequent.

[No other aculeates seen!] *Odynerus* very on trunks.

*Pompilus ruficornis* ♀

*Tenthredo arcuata* small dark ♂ taken.

*Atelasia cordata* ♀. *Selandria sericea* ♂ & ♀ ✓

*Pimpla lunicollis* small ♀. *Glypta hirsuta* ♂ & ♀ 99 common, mostly black.

*G. elongata* ♀.

*G. monensis* ♂ 399. *G. curvata* 1 ♂

*G. sp.* ♂ 1.

*Leptocryptus* ♂. ♂.

*Levinella cylindrica* ♀

*Pimpla* <sup>(detrita?)</sup> *nigricornis* 2 ♂ & ♀. *P. lunicollis* 1 ♀.

*Euclyptus gyllenhalii* ♀

*Gynocampa forcata* 1 ♀ (!AWS & Nixon).



1st August 1931, afternoon.

Drove via Carradore, Greysthy, Kildabbin, to  
Ballyhallut where collected in muddy plains opposite  
Buniel Island, Co. DO.

At roadside bank outside Carradore castle, saw  
*Halictus rubicundus* ♀♀ & took *H. leucopus* 1 ♀.

At Greysthy saw one ♂ *Odynerus* sp.?

At Ballyhallut saw a toad

*Bombus lucorum*, *agrorum*, *muscorum*, *terrestris*  
& *lapidarius* 1 ♀.

*Tenthredo "arenaria"* ♂

*Glypta elongata* black ♂♂

*G. bicolor* v. *rostrata* black ♂ with black hind tibiae & black ♀  
abundant & another *Tryphonid*.

Several *Camptopodid*

"Ichneumonid" ? 2 ♂♂

2nd August 1931. Another perfect day!

Morning: 11.30 AM till 1.15 PM.

Old quarries on S. side of Scarab Hill,

Newtownards, Co. DO. All sunny!

*Bombus lucorum*, *agrorum*, *terrestris* ♀♀.

*Vespa vulgaris* ♀♀ seen.

*Andrena tarsata* 1 ♀ in quarry.

*Crabro varius*.

*Pompilus nigerrimus* ♀♀.

*Caropala maculata* ♂♂ & ♀♀, with last.

*Tenthredo "arenaria"*. *Atthalia cordata* ♂.

*Alomyia debellator*, one small black ♂.

*Pimpla* { *debilis* or *nigrescens* ? 2 ♂♂ } *Limonia cylindricornis* ♀

*Glypta bicolor* var. *rostrata*, dark ♂♂.

*Braconid*. ♀, very interesting, looking like *Phaenocarpa*.



2.8.31 cont. Afternoon: sunny, cool breeze!  
Garden at Coondara, Donaghadee, Co. DO.  
*Bombus agrorum*, *lucorum*, *terrestris* 6♂♂ & 1♀♀  
*Vespa norvegica* & *uliginosa* 1♂♂  
*Crabro varius* ♂

all taken at Coondara

labelled D'dee  
G.D.O. AWS  
2.8.31

*Odynerus parietalis* ? ♂

*Cladonia pectinicornis* ♂ Not amongst this lot when labelled: AWS, 23.11.31.

*Barichneumon*

3♂♂.

*Chromocentrus* 3♂♂ at point.

*Pimpla tenuicollis* ♂♂, + 1 var. *flavicornis* ♂ (much smaller)

*Chalcid* several sp.

*Phygadeuonid* ? 1♂.

3rd August 1931. Another perfect day, but  
E. wind strong at times.

Drove to Rathmullan, 1 mile E. of Tyrrell's Home,  
Londonderry Bay, Co. DO & spent the hour  
collecting in dunes; then back to shore of  
Strangford Lough, at the foot of Fivaburgh,  
near Quota Bridge, Donaghadee, where  
collected for an hour before returning the  
journey home.

3.8.31 cont. Sand dunes at Rathmullan, DO.

*Bombus agrorum*, *lucorum* 1♀ & *lapidarius* 1♀.

*Pompilus gilvus* 7♀.

*Tachysphex pectorator* seen.

*Peripatrus maculatus* 7♀.

*Pachyneuratus clivellatus* ♀ & R.C.B.

*Attila cordata* ♂ & *Tenthredo arenaria*

Large black & white *Schizura* taken asleep (?) in  
center of ragwort umbel.

*Bremesia gemina* ♂♂ "swarming" (assembling) round <sup>one</sup> *Euphorbia* <sup>that</sup>

about a dozen spp. of ich. taken on *Heracleum* along  
flat strip of dunes beside road.

*Stylomyia prolegator* 3 ♂♂.

*Lissonota cylindrica* ♀ *Pimpla maculata* ♀

*Glypta signicornis* 2♀♀ of var. (or a sp.) with long terebra, same as I  
got on dunes at Portlaoine, Co. DU. (usually about 1st Sept.)

Very distinctive  
in regard to form!



56.

3.8.31 cont.

3.30 - 4.30 pm Shore of Steamers L., near  
Quorth Bridge, DO.

All labelled

Goole
6.28. AVS.
3.8.31


*Odynerus pictus* ♂.*Tenthredo* ♂ & ♀ = sp.*Fenusa dehoni* ♀ & ♂ on Alder.*Tenthredopsis* sp. 10?

About a dozen spp. of ich. taken, mostly on Alder  
but some also swept (about 500) off salt marsh  
vegetation along shore; these included a ♀ *Polyblastus*  
covering young!

*Pimpla inquisitor*? ♀ (small).*Glypta bicolor* s. *reticulata* 10 ♂ & 1 black ♀.*Glypta ceratula*? 3 ♂♂, one with very elongate segments.

57

4<sup>th</sup> August 1931. Another cloudless day, but E wind  
very keen & strong, a few hymenoptera out. 11.0 till 1.30  
pm. Old quarries, hedges & plantation, S of Corbig & near  
Helen's Tower, Co. DO.

*Bombus agrorum*, *lucorum* & *terrestris* 1 ♀ on branch.*Andrena fucata* 1 ♂ on ♀ on branch.*A. gurganensis* 2 ♀♀ 2 ♂♂ (1 on branch, 1 on *Hieracium*)*A. cf. lutea* *subopaca* seen.*Promethes fabricius* 1 ♀ (? 1 ♂ or 2 ♂♂ brood): very dark & freshN. of ? seen (could have been *flavipennis* or last)*Chrysis ignita* seen. *Pemphigus nigrescens* ♀ seen.*Crabro rufus* common.*C. styria* ✓ 3 ♂♂, 1 ♀ on *Sycamore* leaves in plantation.seen small swarms of *larva* [1 ♂ given to R.C.P. & 1 ♀ given to !]*Ichneumon latator*? ♂. *Banchus albicinctus*? ♂.*Glypta elongata* 2 ♀♀. *Pimpla brevicornis*? 1 ♂. *P. cf. 1 ♂ cf. pilipes*  
with darkish stigma with yellow front & some s.*Orthocentrus* sp. small ♂. *Pimpla maculata* ♂♂, one with black under side to  
h. & femora.*Banchus rotatorius* 1 ♀. *Pimpla* sp? small ♂ with front femora twice  
"ausgebildet" → *Campoplex* several spp.

Cynipid with petiolate abdomen.

*Athalia cordata* ♂.







6.8.31 cont.

Stopped for tea at foot of Ramothdale, LH,  
 there saw plenty of *Mellinus arvensis*, *Bombus terrestris*  
 & *B. agrorum*, also 1 *Crabro* seen on oak but  
 ? species. Also one tick.

## END OF NORTHERN HOLIDAY 1931.

9<sup>th</sup> August 1931. A fine day, but not much sun till  
 after 12 noon; cool N. breeze; after a very wet-day  
 & cool night.

<sup>= *Claydon*</sup>  
*Claydon* Glen, near Athdown, Co. WI. 11 AM till 5.30 PM.  
 Euclyptus & few ticks & *Prithyrus barbatellus* ♂ & black  
 sawfly, both were taken below road & near R. Liffey, all  
 taken in the glen or along old road up glen & within  
 1/4 mile of the bridge.

*Bombus lucorum* 4 per ♀♀, *B. hortorum* 1 ♀ in Foxglove.

*B. agrorum* ♀♀ abundant.

*Prithyrus barbatellus* 1 ♂

*Andrena fuscipes* ♂♂, some worn, some fresh, & 2 ♀♀ just out, on  
 slope below old road.

*A. coitana* ♀♀. *A. tarsata* 1 ♀

9.8.31 cont. - *Claydon* Glen, WI cont.

*Habitus tumulorum* ♀♀ along old road.

*Nomada ruficornis*, worn ♀.

*N. flavipunctata* 1 worn ♀. *N. obtusifrons* ♀♀ common.

*Mellinus arvensis* ♂♂ & ♀♀ everywhere.

*Gorytes mystaceus* 1 worn ♀ on old road.

*Crabro varius* common - glen & nesting in roadside &.

*Compilus nigriventris* ♀ nesting in stump on left side of stream.

*Salix exaltata* ♂♂ & ♀♀ common.

*Tenthredo areolaris* & *Athalia* sp. seen.

*Prithyrus padii* ♂♂ & ♀♀ seen.

*Ichneumon* sp. ♂♂ & ♀♀

*I. deliratorius* ♂. *Platylabus dimidiatus* 1 ♀ on *Angelica* below road.

~~Am~~ Black Cryptid (= *Plectrocyptus tarsatus* Bridg. (Roman No. 143: sup. 99-7)) with  
 "white hooks" on ♂♂ abundant in glen and 1 ♀ taken on *Angelica* below  
 road. The ♂♂ fly like an *Anomalid* with hind legs dangling!

*Phaenocarpa* sp. ♂♂ & ♀♀

*Limnoria bellator* ♂♂ usually on grassy knoll.

*L. cylindratum* 1 ♀. *L. ...* ♂♂ = ? *L. lineata* Grav. 1 ♂.

*Phytodietus* sp. ♂♂

*Pimpla quadridentata* 1 large & 1 very small ♂.



9.8.31 cont. Bloxhedge, G. 51 cont.

Lamproloma ♀

Dyspiter praeator ♂♂.

Barnes tricornatus ♀ on oak.

Attractodes tenebrius ♂

Tryphon elongator common.

Neodorus

Leptopygus herpessus 10.

13th August 1931. A warm dull day with low & falling glass before deep depression! Sun nearly out.

Drove to Glen of the Derron, WI & stopped to look at big stump below hotel (=1) here saw Tryphon elongator ♂ & Barnes tricornatus ♀♀, also small ♀ Braconid. Took several small spp. of ich in motor. Then drove to Newcastle where took a few ich in marsh = 2. On way to truth with clutch of water had to leave for Greystones soon after arrival at Newcastle.

13.8.31. At Greystones took 2 ich in motor & 1 ♀ Hemiteles ? in railway carriage (=3).

Bombus lucorum (♂ ? on terrestris ♀ at 2), B. hortorum at 2.

B. agrorum, B. muscorum, B. lapidarius ♂♂ at 2.

B. distinguendus 1 fresh ♀ flew into car as we left 2.

Prithyrus distinctus very fresh ♂ at 2.

Parasitocentrus monilicornis ♀♀ at 1.

Tryphon elongator ♂♂ at 1.

Rachynematus diaphanus <sup>✓ RCLP.</sup> 1 ♂ swept at 2.

Oedemotopus scabriusculus ♂ in motor at 3.

Zootropus ruficornis ? 1 small red ♂ at 2.

16th August 1931. A bad day, very warm, mostly wet, stormy & only a few flurries of sun: middle of a very big depression.

By 9.30 train to Greystones & met Palmer at 11 AM at Barry's Bridge (Glen of the Derron) G. 51.

Spent day in the old Bellin estate, where Palmer



16/8/31 cont. Belleme, Delgany, Co. WI. cont.

discovered much likely ground & some interesting  
aculeates during the bad weather of July.

Bombus lucorum, terrestris 1♂ certainly, B. muscorum ♂♂.

B. agrorum ♀♀.

Psithyrus distinctus ♂? (Palmer).

Vespa sylvestris & vulgaris ♀♀.

Odynerus sinuatus ♀ in road.

Salix exaltata large ♀ amongst bracken

Crabro cetratus ♂ at stump on E. side of demesne (Palmer)

Where Palmer reports Trypoxylon, ♂.

C. leucostomus ♀♀ at same stump.

Halictus rubicundus ♂, H. albipes or calceatus ♂♂  
H.

Alomyia debellator ♂♂.

Leucocryptus ♂.

Pimpla maculator ♂. P. turinellae ♂. Glypta curvata 1♀.

Lissonota cf. folii ♀ L. bellator 1♂

Phytodietus 2 sp. ♂♂

Biggithalia 100.

1883. Took on small ich.  
in garden at Mayfield.  
Hatched from  
DO. 100. 100.

Up & morning.

Returned.

in R.C. Chapel

♂♂♂,

B. lapidarius ♀♀.

♀

Scleroc

matin ♂

♂♂.



Samples taken in 1932: returned named by 8.  
R. C. L. Perkins, 15 Dec. 1932.

Taken by Miss G. C. Scott.

- Pristiphora geniculata* ♀. "At Mt. Ash, Glencree, WI. 8.6.32. G.C.S.  
*Nematus luteus* ♂ "at Alder" " " " "  
✓ *Empria liturata* var. ♂. Glencree, WI. 3.6.32. "  
✓ " *excisa* Th. ♀. "At-harthon" " " " "  
✓ " *tridens* var. ♀. Bushy Park, Terenure, DU. 3.5.32  
✓ *Pachnematus obductus* ♀. Newport-Ho., Donabate, DU. 13.6.32.

Taken by A. W. S.

- ✓ *Pteronidea miliaris* ♀. Larvae on Salix, Ashdown Forest, E. Sussex.  
5.10.31. Em. 36.5.32.  
✓ *Crocus latipes* ? Black larvae on Birch " " "  
♀ em. 16.5.32. ♂ em. 28.7.32.  
✓✓ *Pteronidea oligospora*. L. on Salix, Upper Glensmole, DU. 16.9.31.  
♂ em. 30.5.32. ♀ em. 16.5.32.  
✓✓ *Platycampus lundiventris* ♀. L. on Alder: Kelly's Glen, DU. 18.10.31. Em. 2.6.32.  
✓✓ *Dineura stilata* ♂. Beaten off Hawthorn, Trin, ME. 29.5.32.  
✓✓ *Pteronidea* "n.p." probably. 1 ♂ at Salix, Ballinlough, WH. 29.5.32.  
✓✓ *Empria klugii*, Cyn. ♀. Ballyhenaly, WH. 29.5.32.  
✓✓ *Mesoneura spaca* ♀. On Salix or Alder, Glodiagh R., KK. 16.5.32.  
✓✓ *Pristiphora tener* ♂. Glen of the Dorr, WI. 1.6.32.  
✓✓ *Empria tridens* ♀. In motor, Little Bray, WI. 13.5.32.  
✓✓ *Hoplocampa ruficornis* 1 ♂, Nelson's Bridge, WX. 14.5.32.  
✓✓ *Empria pumila* ♂. " " " "  
✓✓ *Pachnematus vagus* ♀. Rocky Valley, WI. 1.6.32.  
✓✓ *Dineura testaceipes* ♀. Ballinlough, WH. 29.5.32.  
✓✓ *Lycronematus carici* ♂. Devil's Glen, WI. 20.5.32.



Sawflies col. by R.C.L.P. 15/12/32.

(2.)

Taken by A.W.S. continued

- ✓ ✓ Pachynematus aductus v. conductus ♀. Ballinacorney, WH. 29. 5. 32.
- ✓ ✓ Lypsenematus abietinus ♂. S. of Bushinstown, on Spruce (?), WX. 15. 5. 32.
- ✓ ✓ Pristiphora sp. E. of Ballyanne, WX. 15. 5. 32.
- ✓ ✓ Amauronematus sp. leucostenus Kon. ♀. Nelson's Bridge, WX. 14. 5. 32.
- ✓ ✓ Hyplocampa chrysorrhoea ♀♀, on Blackthorn, E. of Ballyanne, WX. 15. 5. 32.
- ✓ Pontania sp. ? 2 ♂♂, (on Salix ?), E. of Ballyanne, WX. 15. 5. 32.
- "     "     1 ♀, Nelson's Bridge, WX. 14. 5. 32.
- "     "     small ♀. Ashdown Forest (?), Sussex ? Em. 18. 5. 32  
    ( larvae on Salix 5. 10. 31, or on fruit plants from Bournemouth, Surrey,  
    or Dublin a few days later ! ).



Saunders returned by Dr. Perkins with list & letter  
dated 27/1/1933 & letter dated 31/1/1933.

Miss Scott's collecting.

- \* Monophadnus pallidus ♀. Powerscourt, WI. 1.6.32. Miss Scott.  
\* Pristiphora pallidiventris v. denudata ♀. Near Mountbath, QC. 25.5.32  
Miss Scott.

A.W.S.'s collecting.

- \* Pachynematus ruficornis ♀. Cranfield, CO. DO. 23.7.1931. A.W.S.  
\* Pontania leucospis ♀. Clara, WI. 5.6.32.  
\* P. leucosticta 2 ♂♂. Ballybeg, WI. 5.6.32.  
\* Blennocampa subcana ♂. Liffey Head, WI. 7.6.32.  
\* B. tenuicornis ♂ " " " "  
\* Empria Klugi ♂. Kippure Lodge, WI. 7.6.32.  
\* " " ♀. " " " "  
\* " excisa ♂ " " " "  
\* Selandria furstenburgensis ♀. Slade Brook, DU. 12.6.32, P.M.  
\* Pontania leucosticta ♀. " " " " , P.M.  
\* Pristiphora pallidiventris ♂ " " " " , P.M.  
\* Empria excisa ♂ " " " " . A.M.  
\* ? Empria saliceti ♀ var. " " " " , P.M.  
\* " " ♂. " " " " , A.M.  
\* Pristiphora quercus ♂. " " " " , A.M.  
\* Hoplocampa utilicornis ♀ Powerscourt Dph. WI. 27.5.32.  
\* Empria immersa ♂ & ♀. Slade Brook, DU. 12.6.32, both, A.M.  
\* Pontania leucosticta, very large ♂. " " " " , A.M.  
\* Pristiphora pallidiventris ♀. Glenmaenan, WI. 17.6.32.



Sample ret. by R.C.L.P. 27/1/33 cont.

- \* Empria klugii ♂. Glenmacnas, WI. 17.6.32.  
\* Euura saliceti, probably! ♀ " " "  
\* Empria immersa 2♀♀ " " "  
\* Pachynematus "xanthocarpus group" ♂. " " "  
\* Pachynematus vagus ♀. " " "  
\* Euura saliceti, probably! ♂ " " "  
\* Pontania leucosticta 2♀♀. " " "  
\* Pachynematus clitellatus ♀. " " "  
\* Trichiocampus radiatus 1♀. Poveruncourt-Spk., WI. 27.5.32.  
\* Pteronidea poecilomota ♀, var. (sternum partly dark!) " " " "  
\* Phyllotoma vagans. ♀. Poveruncourt-Sm., WI. 25.5.32.  
\* Empria tridens var. ?? ♀ (see RCLP letter!) " " " "  
\* Pachynematus rumicis ♀. Baginbun, WX. 27.6.32.  
\* Glennocampa tenuicornis ♀. Haggard Bridge, WX. 28.6.32.  
\* Platycampus curvidentris ♀ var. New Bridge (E. of Buncannon), WX. 29.5.32.  
\* Selandria morio 2♂♂ + ♀. Pollmounty, WX. 4.7.32.  
\* Pachynematus obductus ♀. Harold's Cross, DU. 9.7.32.  
\* Pristiophora ruficornis ♂. " " " "  
\* Pachynematus vagus ♀. Markree, Co. SL. 9.8.32.  
\* " " ♀ var. " " " "  
\* Pteronidea myosotidis small ♂. " " " "  
\* P. myosotidis ♀. Finner, Bundoran, ID. 12.8.32.  
\* Pristiophora pallidiventris var. ♀. " " " 11.8.32.  
\* Pachynematus diaphanus ♂. Bunduff, SL. 14.8.32.  
\* " " ♂. Bunduff Strand, SL. 18.8.32.  
\* Pachy. obductus ♀. Bunduff, SL. 16.8.32.



Sarphes ret. by R.C.L.P. 27/1/33, cont.

(3)

- x Pachynematus chitellatus ♀? (might possibly be a much marked ♀ of dispharus! R.C.L.P. See letter 27.1.33). Bunduff, SL. 16.8.32.
- x Selandria morio ♀. L. Erke, WD. 16.8.32.
- x Pachynematus obductus<sup>2</sup> ♀♀. Bunduff, SL. 18.8.32.
- x Phyllotoma vagans 2♀♀. Travallua, SL. 18.8.32.
- x Pteronidea myrsinoides ♀. Bunduff, SL. 22.8.32.
- x Pachynematus chitellatus ♀. Bunduff, SL. 22.8.32.
- x Pristiphora bulleri Th. ? (see letter dated 27/1/33!) ♀. Brucklers, WD. 24/8/32.
- x Pachynematus obductus ♀. Travallua, SL. 26.8.32.
- x Pteronidea oligospila ♀, var. " " " " " "
- x Fenusa dohrni ♀. Onalder, " " " " " "
- x Selandria morio ♀. Onoak, Knather, near Belleck, ED. 27.8.32.
- x Pristiphora pallidiventris, var. denudata Kon. ♀. Castlegal, Bunduff, SL. 26.8.32.



16/8/31 cont. Belleme, Delgany, Co. WI. cont.

discovered much likely ground & some interesting  
aculeates during the bad weather of July.

*Bombus lucorum*, *terrestris* 1♂ certainly, *B. muscorum* ♂♂.

*B. agrorum* ♀♀.

*Psithyrus distinctus* ♂? (Palmer).

*Vespa sylvestris* & *vulgaris* ♀♀.

*Odynerus sinuatus* ♀ in nest.

*Salix exaltata* large ♀ amongst bracken

*Crabro cetratus* ♂ at stump on E. side of demesne (Palmer)

Where Palmer reports *Trypoxylon*, ♂.

*C. leucostomus* ♀♀ at same stump.

*Halictus rubicundus* ♂, *H. albipes* or *calceatus* ♂♂  
*H.*

*Alomyia debellator* ♂♂.

*Leucocryptus* ♂.

*Pimpla maculator* ♂. *P. turinellae* ♂. *Glypta ceratita* 1♀.

*Lissonota cf. folii* ♀ *L. bellator* 1♂

*Phytodietus* 2 sp. ♂♂

16.8.31 cont. Belleme, WI. cont.

*Promethes pallidus* ♂. *Homocidus obscurus* ? ♀. *H. signatus* ? 1♂.

*Exochus* 2 sp.

*Proctotrupes*

♀. *Trypoxylon* *signatus* ? 1♂.

18.8.31. Took on mallard.  
in garden at Mayfield.  
Hatched from  
DO. 18.8.31.  
19.8.31.

19<sup>th</sup> August-1931. Showery after wet night & morning.

2-30-4-30 pm. Some sun, hot & salted.

"Cliff" & south, edge of fields & below R.C. Chapel  
at Bohernabreena, Co. DU.

*Bombus terrestris* ♂♂, *B. lucorum* ♂♂ & ♀♀,

*B. agrorum* ♀♀, *B. muscorum* (♂♂?), *B. lapidarius* ♀♀.

*Halictus calceatus* 1♂ seen.

*Bethylus fuscicornis* 1♀, swept.

*Athalia lineolata* ♂♂ seen, one kept.

*Tenthredo arcuata* seen

*Glypta ceratita* ♂ & ♀. *G. testata* ♀

*Pimpla maculator* ♀, pale stigma, worn!

*Microcryptus nigricaudus* ? ♀ swept off *Spiraea*.

*Homocidus pallipes* 1♂. *Promethes* 1♂, cognate. ♂.

*Ichneumon* *lebrator* ♀. *I. prolixus* ♂.

*Dyspeza praecipitor* ♂♂, common!



23<sup>rd</sup> August 1931. A glorious day & all sunny, but  
 keen E-NE wind kept insects in. With Palmer.  
 Bellerue, Dalgary, Co. SI as on previous Sunday.

*Bombus terrestris* ♂♂, *lucorum* fresh ♀♀, ♂♂ & ♀♀.

*B. hortorum* ♂, *B. jonellus* ♂♂ & ♀♀ on heather.

*B. agrorum* & *muscorum* ♂♂ & ♀♀.

*Psithyrus despectus*, *compertus*, all dark forms, &  
*bestiellus* ♂♂ [Palmer took *B. quadricinctus* too in fog]  
*Colletes maculata* ♂♂ & ♀♀ [Palmer] on heather patch  
 overlooking Glenc of the Drom.

*Andrena fuscipes* ♂♂, only, with last at heather.

*A. costalis* ♀♀, *A. denticulata* 1 ♀ in meadow,  
 & *A. minutula*? 1 ♂ at E. side of drom.

*Halictus rubicundus* ♂♂ & ♀♀ fresh ♀♀ at heather;  
 old ones ♀♀ at heather & still working.

*H. freygessneri* ♂♂ & ♀♀ at heather patch.

*H. calceator* ♂♂ & ♀♀. *H. alpestris* fresh ♀

*H. rubicundus*? fresh ♀

*Sphacodius affinis* 1 ♂ at heather patch.

*Exochus rufus* ♂♂ & ♀♀ at the f. *C. chrysosoma* ♀♀

*C. leucostomus* ♂♂ & ♀♀. *C. citratus* [♂♂ Palmer] & ♀♀

*Meloboris arvensis* ♂♂ & ♀♀, some rather very yellow

*Odynerus pictus* ♀ digging hole in soil of upturned  
 stump!

23/8/31 cont. Bellerue cont.

*Vespa vulgaris* ♀♀. *V. rufa* & *austriaca* ♂♂

*Salix mullatus* ♂♂ & ♀♀.

*Colletes ruficornis* ♂♂ seen

*Agria variegata* ♀ at stumps.

*Athalia* & *Tenthredo* seen

*Pimpla brevicornis*? ♀ at heather. *Pimpla* ♂♂ & ♀♀.

*Glypta areolaris* & *G. flavicornis* ♀♀ in NE oak wood.

*Homocidus* ♂♂ of several species. *H. pulcher* 1 ♂♂, dark ones.

*Exochus* sp.

*Lissonota variabilis* ♀ at stumps. *L. dromedarius* ♂♂ & ♀♀

*Merisus* - *procerus* ♀♀ & *procerus* ♂♂ at stumps.

Very small *Merisus* or *Phygadeuon* ♀ taken at Bracken stumps.

Larger but similar ♀ *Glypta* with darker wings.

+ *Exochus* sp.

1 *Proctos* sp.

On alders in a meadow towards the  
 NE of the cottage. I saw several  
 & took one specimen of a small black  
 & yellow *Stratiomyid* dipterous insect.  
 I found to be *Oxyera* (the long double  
 Walker in 1851 from Heligoland).  
 Verified as *Oxyera* by Tandy.  
 in letter dated 3/12/1931. A.W.S.



26<sup>th</sup> Aug 1931. A glorious day, with keen E wind.  
With Roger Waterston of Edinburgh: drove to  
canal above Linlithgow, Co. KD. HAN till 12.30.

*Bombus lapidarius* ♂ & ♀ abundant.

*B. agrorum*, *B. lucorum* also seen, but no other ambros.

*Tenthredo brevicornis* abundant. *Pemphida obsoletus* ♀

[Two *A. ich.* taken on *Agrostis*, but these mixed with those from  
Bellevue, WI on 23/8/31 when being labelled! AWS. 1/12/31.]

Then drove to Rogervale quarry, Rath, Co. DU.

Where spent a couple of hours collecting. *Helix*  
*perversa* in dunes. 1.30 - 3.30 pm. HAN 22/1 -

*Bombus lapidarius* ♂ & ♀♀, *B. muscorum*, *B. lucorum* & *B. agrorum*.

*Penthyra confinis* ♂♂ & *B. ruficornis* 1 ♂.

*Pemphidius pithus*? seen on field herbs.

*Aspilota* taken, including 2 ♂♂, very small, *Stelidopterus*?

27<sup>th</sup> Aug. 1931. A moderately sunny afternoon, after a clear  
cool morning, strong E wind. 2.30 - 5.30 pm.

Spent an hour at sand-pit near Parnham & Ho. &  
the rest of the time in upper part of dunes, just below  
dun-fish on at. bank of river. all labelled Parnham  
Dun., Co. WI.

*Bombus lapidarius* ♂♂ & ♀♀ at 1. *B. lucorum* ♂ at 1.

*B. agrorum*, *B. muscorum* & *B. lucorum* ♂♂ & ♀♀.

*Penthyra confinis* ♂ & *B. ruficornis* ♂ at 1.

*Halictus smaragdinus* one ♂ at 1. *H. pygmaeus* ♂ at 1.

*Pemphidius lapidarius* 1 ♀ at 1.

*Crabro IV. maculatus* ♀ seen at 1. *C. ruficornis* ♂ ? sp. (2 sps.)

*Athalia* & *Tenthredo* seen at log below 1.

*P. ruficornis* ♀ at 1. *P. ruficornis* ? sp. (2 sps.) at 1.

*P. debilis* ? small ♀ - heard at 2. *P. ruficornis* ? small ♀ at 2.

*Homocidus pulcher* 30% dark var., at Loken, WI., at 2.

Most other ich. taken at 2.

*Hypocnemus quadricornatus* (? ♀)



30<sup>th</sup> August 1931. A fine day, but dull with strong NE wind till about 1.30; afterwards a glorious afternoon, but too late & little out. With Oakley. Sandhills, 0.1 on the Island, ~~W. side~~, Portrane end, Co. DU. 11 AM till 3-30 PM.

Bombus lapidarius ♂♂ & ♀♀; 4 ♂♂ & ♀ in cp. on ground.

B. lucorum ♂♂ & ♀♀. B. terrestris ♂, also dead ♀ (E. O'N.).

B. agrorum & muscorum ♀♀ & ♂♂ of latter.

Psithyrus campestris 1 dead ♀ (E. O'N.).

Halictus rubicundus several ♂♂.

Crabro vermiculi frequent ♂♂ & ♀♀.

Mellinus arvensis frequent, ♀♀, ? also ♂♂.

Astata stigma 1 ♀ on sandy slope just N. of "steps" on big bunker on "Island" golf course. [See 27.6.26!]

Tachysphex pectinipes ♀♀ with last & in several other places.

Compilus pictus ♀♀ frequent. B. plumbeus 1 ♂ (E. O'N.) & ♀♀ frequent.

Microdytes beckeri 1 ♀ with Larva niger at entrance to nest.

Helorus anomalipus?

Algoria mendocina at sand along entrance.

Tentredo arcuata ♀♀ seen.

30.8.31 Portrane, Cont.

Glypta ceratita ♀ in carot. G. bipunctata ♀ in carot.

G. nigricornis ♂ in carot. ♂ ♀ in carot.

Pimpla detrita ♀ in thistle in dune. P. curvicauda ? ♂.

Exochus pictus ♂ in carot.

Pezomachus spp. 2 taken by E. O'N. 1 ♂, 1 ♀, both (E. O'N.).

Homocidus punctatus ♂ (E. O'N.).

Melan-

Ichneumon persentator ♀♀ in carot

Barichneumon variator ♂♂ Homocidus 2 spp.

Promethes pulchellus 1 ♀.



Insects taken  
at Portlaoine on  
6.9.31 labelled also  
to same date  
2.9.31 AWS.

2<sup>nd</sup> Sept. 1931. A dull day, afternoon, with  
thunder in the hills.

3.0 - 4.0 pm. Cloughmore Glen, Co. WI.

*Bombus agrorum*, *lucorum* & *terrestris* (♂♂ & ♀♀).

*Andrena fuscipes* 2 ♀ seen. *A. lineata* 1 seen ♀.

*Halictus confusus* ♂♂ in *Scabiosa succisa*.

*Novada rufipes* 1 ♀ with *A. fuscipes*.

*Scolioleuca betulae* ♂♂ at birch in bog. v. R.C.L.P.

*Promethes sulcator* ♀. ♀. This ♂ was subsequently sent to Benson in 1937  
who returned it with the label "*Scolioleuca*"

*Homocidus pulcher*, 1 ♂, dark inst., at birch.

♀ Anomalous at oak

Also stopped on outward journey at plantation  
near where many stumps.

Here took *Pachyneurina schreckardi* 1 ♂ & 2 ♀♀

but missed 1 ♂ & 3 ♀♀ *Leucosphecia* at stumps.

On return journey stopped in Slacks of Sippack

DU, & bottled several *Brachymeria* & 1 ich.

which were in ear.

[Big flood in Dodder, & the following day & much damage  
done in all valleys radiating from Kippure!]

Some labelled 2.9.1931 & error!

6<sup>th</sup> Sept. 1931. A very fine day, much sun, but  
NW breeze at times strong; but after the great rain  
of 2<sup>nd</sup> - 4<sup>th</sup> Sept. the mud of Dublin was flooded.  
There were few insects about, though the ♂♂ *Halictus*  
were more numerous than before this year.

Portlaoine, coast outside Dunlavin & dunes to  
middle of the Island, as before, Co. DU.

*Bombus terrestris* 1 ♂ & ♀ seen. *B. lucorum* 2 ♀♀

*B. latum* (♂♂) seen. *B. marum* ♂♂ & ♀♀ seen. (♂♂ all killed?)

*B. lapidarius* ♂♂ & ♀♀. [I don't recollect seeing any before.]

*Halictus rubicundus* ♂♂ & ♀♀. *H. confusus* ♂♂.

*H. confusus* ♂♂ (♂ ? 1 ♀). *H. confusus* ♂♂ at Middle Tower.

*Colletes piceus* ♀ on *Scabiosa* in dunes - very lab.

*Tachypoda piceipes* seen.

*Pompilus rufipes* 2 ♀♀ seen in dunes on "Island".

*P. f. f. f.* ♀♀ seen on dunes & coast.

*Salix exaltata* ♀ on coast along estuary road.

*Chrysomelids* many on dunes with my net legs.

[No *Lasius niger* in dunes, since thousands on the

previous week!]

*Athalia cordata* ♀ v. AWS.

*Pentapleura fulvipes* 2 ♀♀ v. R.C.L.P.

*Pterorides curtispina*, large ♂ with stigma

near a dark as in *iberici* group! R.C.L.P.

in litt. dated 6.4.1932.

Swift off Satis, repens, in  
hollow near estuary!

P.T.O.



6.9.31 cont. Portrane, Du. cont.

*Leucophaea pallidula* ♀♀ on carab.

*Pimpla hibernica* 1♂.

*Stenocranus* (*bridgmanii*) *lineolata* (1♂ 1♀ ?) swept off *Salix repens*.

*Diplolepis* *frugiperda* on carab.

*Oulophanes* ♂ along cutting (bridge) on *Salix repens*.

*Homocidus* *pulchellus* 1♂, dark var. ♂. *colonus* *pallidus* 1♂.

*Promethes* *sulcator* 1♂. *P. pulchellus* 1♂, 2♀♀.

*Phaenocarpa* ? ♀♀ on carab. along bridge.

*Mesochorus nigripes* 1♀.

*Ichneumon* *viridis* 1♂. Two small ♀♀ + several others.

*Phaenocarpa* *lineolata* ? 1♂ on carab. with last.

*Eurylabus torvus* ♀ on ditch bank.

9th Sept. 1931. A fine aft. but not much sun.

Drove to Enniskerry, Co. WI. & stopped for a few minutes.

*Mellinus arvensis* ♀♀ abundant & nesting on bank beside the bridge; there also *Lasius niger* "swarming" out of wall.

Then drove on to Glen of the Downs & worked up the old Belleme avenue, Co. WI. 3.0 pm till 4.30, some sun.

*Bombus agrorum* & *muscorum* seen.

*Bombus lucorum* ♂♂ *Promethes* <sup>dark lateralis</sup> *fulvipes* } ♂♂

*Stenomacrus ruficornis* ♂?

♂ cryptid? Small *Ichneumon*? *Phaenocarpa*: black with orange-red apex of scutellum & yellow post-metathorax; head segment smooth, black & orange-red.

*Ametastegia glabrata* ♂? ♀?

*Emphytus braccatus* v. *caligatus* *Evans*. v. R.C.L.P. in litt. 6.4.32.



13<sup>th</sup> Sept. 1931. A nice mild day, but little or no sun & misty rain in hills in afternoon.  
Stream valley, ramp in dune, overgrown fields ("wuzzy")  
1/2 mile S. of Enniscorthy: formerly known to us as  
'Buck's Bridge', but erroneously, as the real Buck's  
Bridge is nearer Arklow; C. W.

12.0 noon till 3 pm.

*Bombus agrorum* ♂♂ & ♀♀. *B. muscorum* ♂♂?

*B. lucorum* 1 ♂? seen, only.

*Vespa rufa* ♂.

*Mellinus arvensis* ♀♀ in "wuzzy" & nesting in sandy <sup>cliff or bank</sup>

*Atthalia lineolata*? 1 ♂.

*Pimpla nigricans* (rotunda) ♀. *P. detrita*? 1 ♀.

*P. rufipes* ♂. *P. oculatoris*? ♂.

*Polyphincta varipes* ♀ with 2 quite red segments.

*Leisonota cutiformis* 1 ♀. *L. bellator* 1 ♀

*Tryphon* with red thorax amongst *Tryphon*? *Tryphon* *Tryphon* Thunb.

Red & black *Tryphon* ♂♀ amongst *Tryphon*

*Phaenocarpa* ♀

*Tryphon*

*Promethes sulcator* 1 typical ♀ & ? one small dark ♀ with black patch on hind <sup>coxae</sup>

*Homocidus pallipes*? ♂ & ♀.

*Exochus*

16<sup>th</sup> Sept. 1931. Very warm, dull, almost raining!

Upper Glenasmole, Co. Du: Fields below Cott's Lodge,  
between Cot-Brook & Upper Dodder: mostly beaten  
out of Salix, some out of Birch, & a few out of  
other shrubs &:

*Bombus agrorum* frequent - on *Scabiosa succisa*

*Halictus albipennis* 1 ♂ on *Scabiosa*

*Phaenocarpa* 2 ♂♂, 6 ♀♀ beaten out of Salix

*Orthocentrus proboscideus* ♀♀ abundant - on Salix & Birch.

*Stenomacrus ventralis* ♀♀ common on Salix, &:

*Promethes pulchellus* 1 ♂.

Various spp. of *Brachymeria*, *Proctos* &:

*Cycloceria* 1 ♀ beaten out of Salix.

*Exochus* *Exochus*? ♂.

→ Then = *Pteronidea oligopila* ♂ & ♀ fide R.C.L.P. (♀ came at first!)

Two swarms (Nematini?) hatched on 16<sup>th</sup> & 30<sup>th</sup> May 1932 are believed to have come from  
Carral beaten off Salix on 16<sup>th</sup> day: also an ichneumon which em. 6.6.1932. but  
it is just possible that they could have come from Carral or Hazel taken in Glenariff, AN.  
on 28 July 1931 all of which I believe died before spawning.

17<sup>th</sup> Sept. 1931. 7.0 pm. Took ♀ dark *Tryphon* at B. Carral's back in  
Garden at Harold's Cross.



20th Sept. 1931. An absolutely perfect day!

Glenree, Co. WI (from Knockree to Copsie Wood.)

Most collected along stream at N. side of Knockree, or in the Copsie Wood; a few at intermediate spots.

*Bombus agrorum* abundant. *B. lucorum* 1♀ at 1.

*B. muscorum* 1♂ (George) at 2. *B. jonellus* 1 fresh ♂ (George) at 2.

*Pithyrus campestris* ♂♂, all dark form.

*Andrena fuscipes* (or *collata succincta*) 1♀ seen to enter burrow & many fresh burrows seen, in old river terrace below Copsie Wood. = 3

*Halictus calceatus* & *alpinus* ♂♂ seen at 3.

*H. leucopus* ♀♀ on *Jasione montana* at 3.

*Sphacodes* ♀ (? *affinis* or *hyalinatus*) seen at 3, but none at usual place above Copsie Wood.

*Verpa rufa* ♀♀ seen [but no trace of any other "wasp" or *phor*]  
*Emphytus serotinus* ♂♂ abundant at oaks at 1 & 2 & several intermediate places: at some trees in dozens.

*Athalia* sp. seen at 1 & near 2.

*Pimpla instigator* 2 large ♀♀ seen. ♂♂ of var. *intermedia*.

*P. iv-dentata* ? ♂♂ + 1♀. *P. ovalatoris* ♂♂ + 1♀.

*P. maculator* small form of ♂♂ + ♀. *P. sp.* small ♂♂ with white hind tibiae.

*Phygadeuon tuberosa* 3 ♂♂ (? at 1.)

20.9.31 cont- Glenree, Co. WI cont.

*Ichneumon rufator* ♀♀ at 2.

*Gynandrus flaviventris* ♂♂ at middle bridge below 1 & 2.

*Alexis* *semicollatus* ? 1 typical ♂ & 1 black specimen?

*Mesochorus* 1

*Chorebus* 2 spp.

20 29th Sept. 1931. The fifth day, but milder day in succession: very high barometer! Warm & still!

Wood in tributary valley at west side of Knockree, Glenree, Co. WI. 11.0 AM till 4 PM.

Spent two hours beating in morning & two hours with net in afternoon. Beat some larvae off Alder, but most escaped out of box: they included *Platycampus lucidiventris*, one large *Crucian* & several other species.

*Bombus agrorum* ♂♂, ♀♀ common. *B. lucorum* 2 ♂♂.

*Verpa vulgaris* ♀♀ common.

[no other aculeates seen!]

TR T.O.



27/9/31. Glencree, WI. cont.

*Stenomacrus ventralis* ♀♀ + *Orthocentrus* ~~ventralis~~ ♀♀ very abundantly beaten off alder; oak + hazel a few; but ♂♂ rare + caught with net at oak (?) only.

*Hermitulus* ~~lucorum~~ ? ♀ beaten off ~~at oak~~ hazel.  
*Glennia* ♀ taken on Salix in aft.

*Polysphincta pallipes* ? 3 ♂♂ at oak.

*Plectiscus* ~~variegatus~~ ♂♂ taken at oak in afternoon.  
 1 ♀ beaten off alder or oak or hazel in morning.

*Glypta* ~~lucorum~~ ♂♂ taken off alder.

*Glypta* (cf. *lucorum*) ♀ beaten off alder.

*Homocidus cinctus* 1 ♂. *H. dimidiatus* ? 1 ♂ with hind tibiae striped inside.

*Eubedizon flavipes* 1 ♂ (?)

*Microctonus* ~~thoracicus~~ ? 1 ♂ beaten off alder.

*Phytodietus* ~~variegatus~~ ♂♂ beaten off alder + oak.

30th Sept. 1931. A fine afternoon but rather windy.  
 Poursuit - dement (st. bank of river near  
 just below deer-park), G. WI. 2.30 - 4.30 pm.

*Verpa vulgaria* 1 fruit ♀ on oak + ♀♀.

*Emphytus serotinus* ♂♂; + 1 ♀ seen high up oak.

*Pimpla oculatoris* ♀♀.

♂ 2 ♂♂ = *quadridentata*, small.

*Polysphincta tuberosa* 1 ♀.

*Phytodietus* ♂ ♀

*Mesochorus* ♂ ♂

*Promethes cognatus* 2 ♂♂ in m.p.

*Promethes* ~~multicinctus~~ 1 ♂ " "

*Panagrops* <sup>= *Leptocryptus*</sup> *claviger* Tasch. 2 ♂♂ at foot of great stump, where another taken on 11.10.31.



4th Oct. 1931. A dull, misty day, very warm.  
 11 AM till 1 pm. Garden at The Moat, Coombe,  
 Surrey <sup>[SR]</sup> (J. C. Stelfox!). Very warm: no sun.  
*Limonia sulphurifera* 3 ♀♀. } Two of these brought home: one is right: but  
 the other seems to be a *Meniscus* &  
*Pimpla insignis* 1 ♀. Promethes 1 ♀. } runs to *M. fulvipes* but does not fit that.  
*Homocidus* 2 ♂♂. } 1 ♀. *Homocidus* 2 ♀♀. <sup>1932.</sup>  
*Varpa vulgaris* ♀♀ at ring.  
*Pterostichus* 1 ♂.

These entered in pencil taken in morning of 5th Oct.

4.10.31. Aft. 2 till 4 pm. Very warm: dull.  
 Richmond Park (from Kingston Hill to  
 Ben Bond & back!), Surrey <sup>[SR]</sup>.  
*Bombus agrorum* seen.  
*Pimpla insignis* 3 ♀♀ at track.  
*Rhyssalus* sp. 1 at track.

*Promethes pulchellus* 2 ♂♂. *P. pulicator* 1 ♀.

[5.10.31. A few ichs taken at The Moat, Coombe,  
 in morning added to those taken on 4.10.31.]

8th Oct. 1931. A dull day with strong W. wind.  
 Glenasmole (Lower), Co. Du. The only insects  
 seen were a few taken at N.W. corner of the  
 upper reservoir, beside overflow, in lee of some  
 bushes along the Slake Brook channel.

*Limonia* ? *laevi*. with red legs or *melanocephala* with dark  
 from *meniscus* 1 ♀.

*Stenomacrus ventralis* 3 ♂♂ & 2 ♀♀ mtd. on one card  
 with 1 ♂ of another species: latter with dark legs &  
 face - r'.

*Homocidus* ♀.

H. 2 ♂♂.

*Barichneumon* ♂.

*Pezomachus* 1 ♀.

*Attractodes tenebrius* ? 1 ♂.

Several Braconids.

*Dacnusa* *gelongae* 2 ♀♀.



7th Oct 1931. [After return from London took two days further leave].

Very stormy & few insects out. Spent an hour in marsh between up. & lower road N. of Caniskerry, Co. WI. There some shelter & considerable run, but little out. About six spp. of *Schneumida* taken & one *Proctotrupes*.



83 B.

8th Oct. 1931. A dull day with strong W. wind.

Glensmole (lower), Co. Du. The only insects seen were a few taken at N.W. corner of the upper reservoir, beside overflow, in lee of some bushes along the Slake brook channel.

Limonia ? basalis with red legs or sulphuripes with deep  
brown in summation 1 ♀

Stenomacrus ventralis 3 ♂♂ + 2 ♀♀ mtd. on one card  
with 1 ♂ of another species: latter with dark legs +  
face + etc.

Homocidus ♀.

H. 2 ♂♂.

Barichneumon ♂.

Pezomachus 1 ♀.

Attractodes tenebrius ? 1 ♂.

Several Braconids.

Dacnusa gilvipes ? ♀?



4th Oct: 1931. A dull, misty day, very warm.

11 AM till 1 pm. Garden at The Moat, Boombe,

Surrey <sup>[SR]</sup> (J. C. Stelfox!). Very warm: no sun.

*Leisonota sulphurifera* 3 ♀♀. } Two of these brought home: one is right: but the other seems to be a *Memecis* & runs to *M. bilineata* but does not fit that? ANG. 1932.

*Pimpla inquisitor* 1 ♀. *Promethes* 1 ♀. *Microgaster* 2 ♀♀.

*Homocidus* 2 ♂♂.

*Verpa vulgaris* ♀♀ at ring.

*Proctos* 1 ♂.

These introduced in period taken on morning of 5th Oct!

4.10.31. Aft. 2 till 4 pm. Very warm: dull.

Richmond Park (from Kingston Hill to

Ben Bond & back!), Surrey <sup>[SR]</sup>.

*Bombus agrorum* seen.

*Pimpla inquisitor* 3 ♀♀ at track.

*Rhyssalus* sp. 1 at track.

*Promethes pulchellus* 2 ♂♂. *P. rufator* 1 ♀.

[5.10.31. A few icks taken at The Moat, Boombe, in morning added to those taken on 4.10.31.]

5th Oct: 1931. Very warm, moist & dull: end

run for half an hour in late aft. (3.30 till 3.30) <sup>2.30</sup> <sup>3.0</sup>

Arkhdown Forest (N. side of Hindleap Warren)

1 mile N. of Wyck Cross, E. Sussex <sup>[EX]</sup> 11.30 till 3.15!

Bombus *agrorum* ♂♂ & ♀♀ common.

*Bombus agrorum* ♂♂ & ♀♀ common.

*Halictus peregrinus* 1 ♂ on *Hebe*, 1 ♀ on *Ulex*.

*Pimpla inquisitor* ♀♀ frequent.

*Phygadeuon* 1 ♀.

*Stenobothrus* 1 ♂. *Stenobothrus* 1 ♂.

*Euclyptus* 1 ♂.

*Oxytropis* 1 ♂.

*Tryphon* 2 ♂♂.

*Tryphon* 2 ♂♂.

*Myrmica ruginodis* & *Myrmica* sp.

*Formica fusca* seen.

Larvae of *Proctos* *latreus* on *Ulex* &

family of *Pteronidea miliaris* nearly full-grown, brought home

(pupated about a week later!) & fed on *Salix* from Arkdown (!),

Boombe, Surrey (2) & Co. Dublin (3); from one of these branches of *Salix*

emerged a small ♀ *Pteronidea* on 18.5.32. Nearly all the *Pteronidea* were

icked by *meles*, but 1 ♀ em. on 30.5.32.

♀ Em. 16.5.32, ♂ 28.7.32, this species! supposed to be another on 5.6.1933 and another after 2 winters.



11th Oct. 1931. A fine day, with much hot sun, but strong wind.

Powerscourt, Co. WI. Almost all taken in upper part of demesne, on right bank of river for 1/4 mile below the deer park; a few only taken in lower part of deer park. There practically no sign of insect life. 11.30 till 3.30.

*Bombus lucorum* 1 ♂ seen in ragwort in deer park.

*B. agrorum* ♀♀ + ♂♂ seen.

*Vespa vulgaris* ♀♀.

*Pimpla v. dentata* ♀ in deer park; others in demesne.

*P. rufata* ♀ in demesne.

*P. ovina* ♀ at roots of rushes in deer park.

*P. tunicellae* ♂♂.

*Leucostictus* ? ♂.

*Stenomacrus ventralis* ? ♂ + ♀♀.

*Promethes scutellarius* ♂ in mint & elder "scrub" just below deer park.

*Promethes cognatus* 4 ♂♂ with last & near by. *P. laticarpus* 2 ♂♂ off.

*Amorcin*

*Dyspeter praerogator* *mesoleius* ♀

*Alexator*

*Leptocryptus* (= *Pandoryza*) *claviger* ♂, at big stump where 2 ♂♂ taken on 30/9/31.

11.10.31 cont. Powerscourt, WI cont.

*Stenomacrus ventralis* ♂♂ + ♀♀.

14th Oct. 1931. A dull still, mild day. Afternoon.

(i.e. near Bohernabreena)  
*Glinasmole* (part of) just above Mrs Doyle's & below  
& about calcareous rocks & cliffs, Co. DU. 2.30.4.0 pm.

Almost all beaten out of hazel!

*Vespa vulgaris* ♀♀ in ivy thicket (only a little ivy out!)

*Ichneumon* ♀.

[another very beautiful sp. with white points 'escaped': looked like *Hoplismenus hispidatorius*]. Labelled Bohernabreena  
Co. DU. A.W.S.  
14.10.31.

*Pimpla v. dentata* ♀.

*Dyspeter praerogator* ♀. *Stenomacrus* sp. 2 ♂♂.

~~Stenomacrus ventralis~~ *Stenomacrus ventralis* ♀♀ abundant.

*Dacnusa areolaris* ? abundant.

*Psilota* sp.

*Orthocentrus* ? ♂.

*Ichneumon* ? sp. ♂.



18th Oct 1931. A completely dull, mild, day.

Morning 11 till 12-30 noon.

Kilmarbegie Lane (=1) + Kelly's Glen (=2) Co. Dublin.

*Verpa vulgaria* ♂♂ + ♀♀ abundant at inc. at 1.

*Hemiteles* sp. 2♀♀ do. do. sp. 1♀ at inc. at 1.

*Orthocentrus* <sup>radialis</sup> ~~protuberans~~ at Salix at top fork of glen at 2.

Larvae (yellow + black) of nematode abundant on Alder at apex of "peninsula" between tributaries at fork of glen at 2. These very like larvae taken at meeting of the Waters on

1930 + Glenariff, Co. Antrim, on 28th

July 1931 on hazel. [Three larvae sent to Dr. Perkins

who says they are almost certainly *Hemichroa crocea*!]

*Hemichroa crocea*!

1♀ em. on 10/5; 2♀♀ on 11/5; 10♀♀ on 16/5; 6♀♀ on 18/5; 5♀♀ on 19/5; 3♀♀ on 24/5; + one ♀ (lost) on 30/5 1932.

*Platycampus lucidiventris* larvae beating off

Alder at 2: - 1♀ em. 2.6.32.

B. B. Moffat reports seeing  
a ♀ *Bombus terrestris*  
by the canal near  
Glennella, Du.  
on 13th Oct.  
1931.

21st Oct 1931. A very cold fine day, with sun in places. Evening. 3.0 till 4.15 pm.

Portmarnock demesne (just below deer park) Co. WI.

All taken on (or about) two big oaks in field on top of right bank of river nearly opposite Valchess gate: mostly beaten but some caught while sun was out.

Small hymenoptera extraordinarily abundant + beating trays often literally filled with *Orthocentrus*, *Stenomacrus* + other small species.

*Verpa vulgaria* 1♂ + ♀♀ on oaks.

*Pimpla turionellae* 1♀. *P. rufata* ♀♀ abundant.

*P. debilis* ? 2 1♀. *P. oculator* ♂ + ♀.

*Phytodietus gemellatus* ♀.

*Platycampus* or *Hygroplitis* ? ♂

*Orthocentrus protuberans* ? ♂♂ *Chorion*

♂.

? Dr. Roman says not comparable to that! but I think so.

*Stenomacrus compressus* Thoms. 1♀ of the common little species!

*Stenomacrus ventralis* ♂♂ + ♀♀ abundant.

*Mesochorus* red thorax 2 ♂♂

*Stilpnus* ♀. *Hemiteles* ? 1♂. ♀♀.

*Homocidus pallipes* 1 ♂.

*Promethes pulchellus* 1♀.

*Exochus* ♀. 6♀♀ beating off oaks.



25<sup>th</sup> Oct. 1931. A fine day, after several such with frosty nights, but strong very cold N.E. wind between noon & 4 pm.

Oak wood on S.E. slope of Carrick Mt., above Glenealy Lodge, Co. WI [labelled "Glenealy"!]

11-30 AM till 3-30 pm: almost all sunny!

*Bombus agrorum* 1 torpid ♂ seen; ? others heard.

*Verpa vulgaris* ♀♀: a few seen.

*Stenocranus defraudator* ♀ taken on oak bush.

*Myiophobus praecellens* ♀ beaten out of oak bush.

*Pimpla tarsionellae* 1 ♀. *P. inquisitor* 1 ♀ ~~beaten~~ at Callan.

*P. rufata vora*! 1 ♀ with yellow stripes on thorax.

Campoplegids frequent & about a dozen taken. ♂♂ mostly

flying to oaks, ♀♀ beaten.

*Orthocentrus* sp. beaten off oak & bush.

*Stenocranus ventralis* ♂♂ & ♀♀ & others of ? beaten.

3 Larvae of *Pterodroma caesia* (green with pink dorsal stripes!) on Salix.

[NB. Many dead & mouldy encased ♂♂ *Orthocentrus*, & ♀, on under side of leaves of trees, those that had died with extended wings!]

28<sup>th</sup> Oct 1931. A fine day, but sun patchy in aft. N.E. corner of oak-wood at Glen of the Downs, Co. WI. 2-15 - 3-40 pm.

*Verpa vulgaris* frequent.

*Ichneumon delicatulus* ♂?

*Phygadeuon*?

*Hemiteles*? ♀, very fat.

Campoplegid several

*Pimpla arvensis* ?? ♀ at Hazel bush

♀ ? cryptid with long thorax beaten.

Mostly beaten off oak & hazel.

*Stenocranus ventralis* ♂♂ & ♀♀.

*S.* sp.? 1 black ♀

*S.* sp.? smaller ♀, compressed abd.

*Rhyssalus* sp. 3 ♀♀



90.

1<sup>st</sup> November 1931. A mild dull day with  
S.W. wind.

Glen above Enniskerry, Co. WI. All beaten off oak,  
hazel, elm, etc., just inside gate & up slope to right.

*Verpa vulgaria* ♀♀ seen.

all labelled

Glencullen, WI.  
1.11.31. AWS.

*Stilpnus gajales*

*Hemiteles* ?? several off 47.

*Plectiscus* ? ♂ with emarginate joints in antennae

*Orthocentrus protuberans* ♀

*Stenomacrus ventralis* ♂♂ & ♀♀ abundant

*S. sp.* ? ♀, small, with compressed abd.

11<sup>th</sup> November 1931. A fine day, but no sun in aft.

Government Demesne, WI. 2.30 - 4.0 pm.

*Orthocentrus protuberans* ♀ beaten out of Bonifer on  
avenue leading from river to house.

All other species beaten out of oak & ivy on top  
of right bank not far below deerpark, as usual.

*Verpa vulgaria* ♀♀ frequent.

91.

11.11.31 cont. Government demesne cont.

*Stilpnus gajales* ?

*Stenomacrus ventralis* ♂♂ & ♀♀ <sup>a few</sup> abundant & small  
*S.*

*S.*

*Cynipid* (red).

*Proconus* 3 spp. *Chorebus* ?? *Aspilota* ?

*Proctotrupids* 2 spp. ?

18<sup>th</sup> Nov. 1931. A perfect day: very hot sun &  
gentle, NW wind.

North Bull, Co. DU. With E. O'Shannon.

Left cycles in middle of "dunes" & walked to "Lady Anna's  
Banks" at Sutton end of Bull, somewhere near which  
I believe Stalbert took his specimen of *Pren*  
*unicolor* on 7<sup>th</sup> Aug. 1898. Shock roots of  
*Prunus* but from these got only two small ♀♀  
icks: - possibly *Phygadeuon monodon* (Thoms) but ??

[The only molluscs seen were *Agriol. apertis*: abundant  
pale form with brown "neck"; some very large. *Vitrea*  
*pellucida* large & common at N. end. *Helicella acuta* &  
*H. virgata* -] ? 8 of same sp. taken in notes between 1897 & 1898 on 29.7.31



List of specimens sent to S. Roman Nov. 1931

[continued from vol. 3, p. 106] with his remarks.

Serial No. [113. specimen kept by S. Roman marked thus X]

118. *Stenomacrus compressus* Thoms. ? ♀ in Hatfieldy Colo.

"I doubt if this is *compressus* as the basal flagellar joints are not 'just beiter als lang'. A.R.

[In my specimen taken in Powerscourt demesne on 21.10.31 the first joint of flagellum is only a little longer than broad & much shorter than 2<sup>nd</sup> + 3<sup>rd</sup> which are strongly elongate! A.W.S.]

119. *Homotropus brevicornis* Thoms. ♀. "Seems correct from the description: your specimen has 19-jointed flagellum". A.R. = "*crassicornis*" Thoms.

119 from Glara, WI. 27.7.27.

X 120. *H. brevicornis* Thoms. ♂. Probably correct. I have seen a ♂ from Moravia. Thomson's earlier name (p. 1490) is *crassicornis*; *brevicornis* seems to have been due to a slip of his memory". A.R.

120 from Coan, Glen Inaal, WI. 28.6.31.

121. *H. sp.* ? ♀. Runs to *pictus* but much larger than that I know as *pictus*. Could it be *incisus* Thoms.? Note clypeus! "Seems to be *incisus* (unknown

to me), but the hind tibiae are much paler than the descr. says. A.R.

121 from 14p. Glencmole, DU. 16.6.29.

122. *H. sp.* ? ♀. ♂ of *rubiginosus* Schmied.!

"= *H. crassicornis* Thoms. (*finovius* Holmgr. non Grav.). Certainly I have compared it with a ♀ of *finovius* Holmgr." A.R.

122 from Rathdrom, WI. 8.7.26.

X 123. *H. sp.* ♂. I think this is a dark form of *pulcher* though it is like a small *tarsatorius* in some ways. Very common, while typical *pulcher* ♂ is rare.

"Is *tarsatorius* Pz. var. In the Museum we have Lapland ♂♂ just like yours. Irish specimens of many species are as dark as our Northern ones. *H. pulcher* ♂ + ♀ has the sides of the scutellum pale types! & description of Holmgr. & Thoms. say "forte". A.R.

123 from Sallins, KD. 17.9.30.

X 124. *H. alpinus* ♂. The ♀ has very compressed apex of abdomen! On this day I took a long series of ♂♂ flying to a branch of a 'Douglas Fir', but only one ♀ (which is too precious to risk in the post.) "Seems correct from the description. I only know the ♀". A.R.

124 from Powerscourt (4), WI. 16.5.29.



125. *H. longiventris* ♀? "Correct, compared with Holmgren's '*pumilus* ♂'. [Sorry the abdomen is missing & not to be found in the box!]" A.R.

125 from Rathdrum, WI. 13.7.29.

\* 126. *Barus* sp. Is *annulatus* distinct from *varicosa* & what is this? "Is *varicosa* Thoms. ♂? In my 2 ♂♂ of *annulatus*, from Lapland, the face is totally yellow, the antennae red beneath, the mesonotum & scutellum quite black & the broad end of the hind tibiae clear red." A.R.

126 from Portrane, DU. 31.8.30.

\* 127. *B. albignatus* var.? If this is *albignatus* then all Irish specimens have black hind coxae! If not this, what is it please. "It is *varicosa* Thoms. ♀. In Sweden, too, *varicosa* seems to be commoner than *albignatus*. The ♂ is rarer than the ♀, at least in Sweden." A.R.

127 from Rathdrum, WI. 26.7.30.

See further note on p. 98 →

\* 128. *Orthocentrus* <sup>*radialis*</sup> *fulvipes* ♀. Is *radialis* Thoms. distinct from this? Morley says it is commoner than *fulvipes* in England! "Correct. I do not know *radialis*. Thomson's types are not here but in Lund, 10 hours' railway to the south." A.R.

128 from Slade Brook, Glenasmole, DU. 1.10.30.

\* 129. *Orthocentrus protuberans* ♀. "Correct. In northern Sweden probably the commonest species of *Ortho.* s. st." A.R.  
129 from Clara, WI. 23.11.30.

130. *Triclistus* sp.? Is this *laticinctus* or only *podagrus*?  
" = *T. congener* Holmgren. ♂." A.R.

130 from Arklow Head, WI. 15.8.30.

131. *Chorinaeus longicalcar*? Johnson named it *longicornis*? "It seems to be, indeed, *longicornis* Thoms. *Longicalcar* (the correct name for *Reil* is *subcarinatus* Htg.) is more a northern ~~species~~ & mountain species; the type is from Lapland." A.R.

131 from Malahide, DU. 1.5.21.

132. Taken in Devon, England, by D. R. C. L. Perkins. I can make nothing out of this unless it is *Anarthronota thuringiaca* Schmied. "I have the same species (1 ♀) from Holland named by Smits v. Burgst - as *G. thuringiaca*! If that is correct, Schmied's description is very poor." A.R.

132 from E. Dartmoor, Devon. R.C.L.P. 4.5.23.

133. *Hadrodactylus* <sup>*insignis*</sup> sp. "Is *insignis* Krb. ♂. Agree also with *varicosa* Thoms., but nothing is said about the 1<sup>st</sup> segm., so it is not certain this name is a synonym of *insignis* A.R.

133 from Poveruncourt, WI. 19.6.25.



[Thomson?]

134. *Hadrodactylus* sp. "*H. femoralis* Holmgr." (non Thomson.) ♀, dark specimen. In the Swedish ♀ I have compared it with the face is black in the middle. *H. femoralis* Thomson. is *confusus* Holmgr. A.R.

134 from Glenmalur, WI. 3.6.26.

135. *Hemertus defectorius*? "Correct. The first segment has glycmae, so the genus is a synonym of *Genarches*." A.R.

135 from Borisokane, NT. (W.A. Phillips). 19.8.27.

\* 136. *L. th. mexicanus impressor*? "Correct." A.R.

136 from Deputy's Pass, WI. 12.8.30.

137. *L. th. Scoparia bicolor*? "Certainly!" A.R.

137 from "(1) Meeting of the Waters, WI. 24.7.30."

\* 138. *Genarches sulphuratus* ♂ } Are these distinct & if so why do I not get 44 of No. 139?

138 from Kilcanny, CW. 6.8.29.

\* 139. *G. flavitarsus* ♂?

Roman replies:—

"I do not think they are distinct, though I have taken neither myself, but I have a ♂ from the 'Polish bovidae' with both face & hind tarsi pale, so I think these features are variable in colour."

139 from Stradbally, WA. 18.8.28.

A.R.

Naturhistoriska Riksmuseet  
ENTOMOLOGI  
Prof. Dr YNGVE SJÖSTEDT

STOCKHOLM 50,  
Den 22/3 32.

Dear Mr Stelfox,

By your letter of 1st June for March 16<sup>th</sup>, received yesterday, I found to my surprise & sorrow, that I had disturbed your mourning after a recently lost child. Of course nothing like that was intended, but chance has its ways. If my slender lines have given, for the moment, your thoughts another direction, they may have been of some use. In any case I am glad for your letter, but at the same time a little ashamed, for you remind me of a discussion I had totally forgot - species please? I mention the *Glypta nigrotroch.* Str. of those depended on my having found once more its resemblance to a *mensurator* in a Swedish U. S. A. this collection I was perusing with the agreeable intention to keep the interesting things.



Dear Mr Stelfox,

By your letter of March 16<sup>th</sup>, received yesterday, I found to my surprise & sorrow, that I had disturbed your mourning after a recently lost child. Of course nothing like that was intended, but chance has its ways. If my lines have given, for the moment, your thoughts another direction, they may have been of some use. In any case I am glad for your letter, but at the same time a little ashamed, for you remind me of a discussion I had totally forgotten. My mentioning the *Glypta nigrotrich. Str.* depended on my having found once more its resemblance to a mesurator in a Swedish collection. I was perusing with the agreeable intention to keep the interesting things.



which the collector had kindly permitted. On my previous discussion of nigro-troch. I had evidently forgotten to make a note of the matter, so I had nothing to remind me.

<sup>23</sup>/<sub>3</sub>. I had to interrupt the writing yesterday. As you remark, there is a difference in stigma colour between *memurator* & *nigrotrochant*-*rata*, but it seems to be the only difference besides the abdominal colour. In the north the races differ slowly because of the want of heat, in the south the proceeding is quicker, & for that I think the race of the Alps, where the sun burns strongly in summer, to be a step farther differentiated by the dark stigma. This is, of course, a theoretical speculation, but to my experience it has a strong probability. Something similar is the case with *Rhyssa peruviana* L. It is well known to occur in all the Holarctic zone, & everywhere, with one exception, it

looks about the same. The exception is its southernmost occurrence, the Himalayas. A few years ago I received for inspection from the Brit. Museum a couple of specimens which puzzled them. After all comparison I could effectuate, I gave the opinion that it was a well-marked race of *peruviana*, but no separate species. The hymenopterists of the Br. Mus. took the same side, & the form is now known as *Rh. pers. himalayensis* Wilkes.

Now you have my opinion on *nigro-trochant**rata*, but so far it is not found in Sweden, & *memurator* also is rare here. You say both & their intermediates are not rare in Ireland, & that you can give me specimens of them. I thank you for this offer & shall be very glad to have them. If I can give you something in return, please let me know it.

Expressing once more my sympathy



in your loss, I am  
yours sincerely,

A. Roman.



Rathdrum.

7.7.26. Megachil. centumulari. ♂  
Colletes acuminata ♂.

Odynerus tripunctatus ♂ W. bank at  
Armagh bridge.

Crabro aphidum ♂♂.

Formica annulata at log!

13.7.26. Megachil. villabellae & venicolor ♀♀  
found at bridge & latter at stump above road.

And. minutula "path up hill" ♂♂.

with A. flavipunctata ?

Agonia variegata ♂ & ♀.

Odynerus tripunctatus ♂.

Pass. moniliicornis ♀.

Crabro podagricum. under S. end of road.

Pomp. spissus ♀

8.7.27. Crabro aspidum near station.

Gaster. mystaceus ♀♀.

Pass. mon. & Chenobrya full.

Crabro claripes & pod.

And. maculata

15.7.28. Meg. vill. & venicolor ♀♀ at bridge

C. aphidum near st. & at bridge.

C. cap. pod. palmipes at stump.

Glypta guettardae & similis.



11.7.28. Od. tripasciatus ♀ nesting in hole in  
just before Ar. bridge gate  
Meg. will. found ♀ at bridge.  
Craeto capitatus ♀♀ nesting in pitth of  
elder at foot of Ar. bridge!

---

13.7.29. Meg. will. at bridge. M. respuator seen at  
stump on left bank  
near bridge  
Od. tripasciatus ♀ near bridge.

---



[thomsoni?]

134. *Hadrodactylus* sp. "*H. femoralis* Holmgrn.  
(non Thom.) ♀, dark specimen. In the Swedish  
♀ I have compared it with the face is black in the  
middle. *H. femoralis* Thom. is *confusus* Holmgrn." A.R.

134 from Glenmalur, WI. 3.6.26.

135. *Hemertus defectorius*? "Correct. The first  
segment has glymmae, so the genus is a synonym  
of *Genarches*." A.R.

135 from Borisokane, NT. (H.A. Phillips). 19.8.27.

136. Is this *Meniscus impressor*? "Correct." A.R.

136 from Deputy's Pass, WI. 12.8.30.

137. Is this *Sespinus bicolor*? "Certainly!" A.R.

137 from "(1) Meeting of the Waters, WI. 24.7.30".

138. *Genarches sulphuratus* ♂ } Are these distinct & if  
so why do I not get  
♀♀ of No. 139?

138 from Wilcovey, CW. 6.8.29.

- 139 *G. flavitarsus* ♂?

Roman replies:—  
"I do not think they are distinct, though I have  
taken neither myself, but I have a ♂ from the  
"Polish border" with both face & hind tarsi pale,  
so I think these features are variable in colour".

139 from Stradbally, WA. 18.8.28.

A.R.

140. Is this like your "*Cteniscus phaeorhoeus* Hal."? When  
Morley overhauled the Haliday Schrenkianidae in '913, he  
picked out two specimens & labelled them "*phaeorhoeus* Hal."  
& one he designated as "type"; but neither of them has  
black hind legs (they are fulvous like the front legs) & one  
(not the "type") has the apex of the abdomen black.  
Neither could be the same species as I now send you for  
examination & there is nothing like this now in the  
Haliday coll. Roman replies:— "Your specimen is  
a ♂ of *Exyston brevipetiolatus* Thom. (Exant. tri-  
angulatus Holmgrn.). My "*phaeorhoeus*" (only ♀) is  
a real *Cteniscus*, probably n. sp., more slender than  
the *Exyston*, with shining abdomen, no yellow on the face  
except the clypeus, the hind tibiae not yellow at  
the base & the red abdomen is narrower

140 from Clara, WI. 29.7.29.

141. I suppose this is a *Microplectron* (Foist. non Dhm.  
= *Smicroplectrus* Thom." A.R.) but what species please?  
It seems to agree, in parts, with all four of those  
mentioned by Schmied. "It is *S. Bohemani* Holmgrn.  
♂. The ♀ is prettier, with more white. In U. S. A. this  
genus is known as *Anderis* Davis." A.R.

141 from Glenasmole, DU. 23.5.30.



142. *Acrodactyla degaer* Hal., its cocoon & remains of its host! Bred by S. R. C. L. Perkins, in Devon, England. Is this not synonymous with *Symphyla politus* Först.? "Certainly! It has been reared numerously in Denmark!" A.R.

142. Bred from spider: Paignton, Devon. R. C. L. P.

[END OF LIST sent to Dr. ROMAN, Nov. 1931.]

Note on No. 128!

Two days later I received a p.c. from Dr. Roman (dated Stockholm 16/11/31) in which he says re. No. 128: - "I am afraid the *fulripes* you sent is *radialis* Th., for I just observed today the 3♀ in our Swedish collection belong to 2 spp. & the 2 first of them are *radialis*. Your specimen was like them, specially in the proportion of the antennae, where the basal flagellar joints are about as long as broad. Our 3<sup>rd</sup> Swedish ♀ has dark antennae with strongly transverse joints & that I suppose is the real *fulripes*!"

NB. All my ♀♀ I had named "*fulripes*" have the basal flagellar joints reddish & about square so all these are evidently *radialis* & not *fulripes*.  
A.Y.S.

About a fortnight later I received another p.c. from Dr. Roman, dated 27 Nov. 1931, in which in reply to a query of mine he says that by "base of radius" Thomson always meant the part of 1<sup>st</sup> abscissa next radii stigma. He added that in *Orth. fulripes* the 1<sup>st</sup> absc. of radius is weakly curved, the 2<sup>nd</sup> quite straight; also that such near characters were not always constant, e.g. that in *Crat. fabricator* the apex of radius is said to be straight, while in *C. annulator* it is said to be curved, but he finds this "rather variable". In his species *Acrodactylus rectinervis* on the other hand he finds the character constant.

p.c. from Dr. Roman, dated, Stockholm 5/12/31: in reply to my sending of three species the previous week. These three species are as follows: -

No. 143. *Plectrocryptus tarsatus* Bridgman. ♂♂  
Gloghlaugh Glen, Co. WI.

No. 144. *Cryptus moschator* F. ♂ (which I had run down as *C. fribulator* Grav.) <sup>dark var.</sup> Newcastle, The Murray, Co. WI.

No. 145. ~~*Stenomacrus*~~ <sup>*Stenomacrus*</sup> *ventralis* Hgn. ♂♂ & ♀♀  
Porewourt demesne, Co. WI. 11.11.31.

cont. on p. 101



29th November 1931. A beautiful day, with very hot sun, blue sky & gentle N-NW breeze.

Worked the irish flora on old road from Kiltarnan over the lead-mines ridge to Ballynary (E. of Scalp) Co. DU.

Most, except Daenusa almost all, taken on S. slope of ridge on one bunch of irish along E. ledge!

Vespa vulgaris ♀♀ abundant everywhere.

Hemiteles ♀.

Stenomacrus ventralis ♀♀ (about six seen)

" 4 ♂♂ taken out of bunch of irish mentioned above, or near it.

Cepantela 2♀♀.

Daenusa ♀♀ frequent.

On other sp. of Daenusa.

On Lycopodium.

Several small blackbeetles seen but not taken.

On Protostegus.

6th Dec. 1931. A beautiful day, after some days rain & gale. Morning " till 1 pm.

Drove to Woodtown, via Fir House, Co. DU., & walked up to military Road, then to Killakee gate & up Mt. Pelier Hill to the "Hell-Fire Club" on summit. On return down the old Woodtown road at 550 ft. alt. I beat 3 ♀♀ Pezomachus, 1 ♀ Hemiteles & several coleoptera (Dromius sp.) out of a clump of very dense bushes of Ulex europaeus growing in the ditch on sunny side of road: also hundreds of spring tails (Tom. minor & smaller species).

S. Roman's p.c. of 5/12/31 cont. from p. 99.

"Jest. I got your box & letter & have returned the box with a few more presents for you. Your specimens were Plectrocyptus tarsator Bridg. ♂, Crypt. mesoleius ♂ or ♀ dark var. and Stenomacrus ventralis Hym. — the last one compared with the types. Among my specimens [sent] are Mesoleius segmentator & M. anticus. I have doubles of several western Mesoleius, but thought it better to give you species you can find yourself. Isadelphus clavatus



S. Roman p.c. of 5/12/31 cont.

I find on fir trunks (*Pinus sylvestris*) in autumn & also hibernating under bark of the same tree. The questionable *Hemiteles incisus* Bdg. is not rare on birch trunks. Of *Delomerista* you have perhaps taken *mandibularis* Grav. with the slenderer & more long-jointed antennae. It occurs in this country with 3 different lengths of terebra, the shortest on spruce. Moreover *D. laevifrons* does not differ in the terebra & occurs in June on juniper. . . . . The *Campoplex* *Lapponea* Morley records from Kashmir I saw in 8m & it is quite another species.

. . . . . In behalf of *Diaborus* [his new sp. *D. minor*] I have had occasion to make acquaintance with Thomson's species. The result was that *lituratus*, *pallitarsis* & *frontalis* may be reckoned as species: *filipalpis* belongs to *lituratus* & *nigripennis* to *pallitarsis*.

*Pallitarsis-nigripennis* is not rare in northern Sweden & I have seen it also from the Silesian Mts. in Germany: it is a melanic variety. What Morley calls *lituratus* seems to be *pallitarsis*, at least the form occurring in gardens on gooseberry bushes, for I have found it so myself. To these 3 species now

come two excluding northern one, both with the abdominal spots linear.

The labels on specimens sent by S. Roman are abbreviated thus: — "Lap. L. = part of Lapland. Nbt = coast province of E. of Lapland. Stm. = Stockholm. Torne Tr. = lake in N. Lapland. On its shore is the nat. park of Abisko." A.P.

9th Dec. 1931. A dull, cold, windy <sup>(W. wind)</sup> day, nearly raining! Glade of Saggart, Co. Du. Iny blossom over & nothing taken by beating.

13th Dec. 1931. A beautiful winter's day, with no wind & much sun! Deep park, Pouscourt & the Maunian cliffs above same, Co. WI.

*Ichneumon* on *aspidopis* — ♀ under bark of log. *Hemiteles* of ♀ disturbed from same log.

Lichen-covered branches of birch trees. Also beat out of lichens on birch tree branches on top of cliffs at 1000 (ca) ft. alt. 5 specimens of the beetle *Pachocerus gabrieli* only ~~one~~ added to Irish list in 1929 by O'Mahony from Pouscourt domain.



26th Dec. 1931. A fine "grey" day, with high glass.  
*Boleina brevis* + lower *Glenacole* (as far  
 as the upper dam, Co. Du.

Beat some ivy, Hossan, still out, above  
 Mr. Doyle's + around fallen blocks of  
 calcareous.

*Dacnusa* ♀♀ frequent.

*Stenomacrus ventralis*? 1 ♀

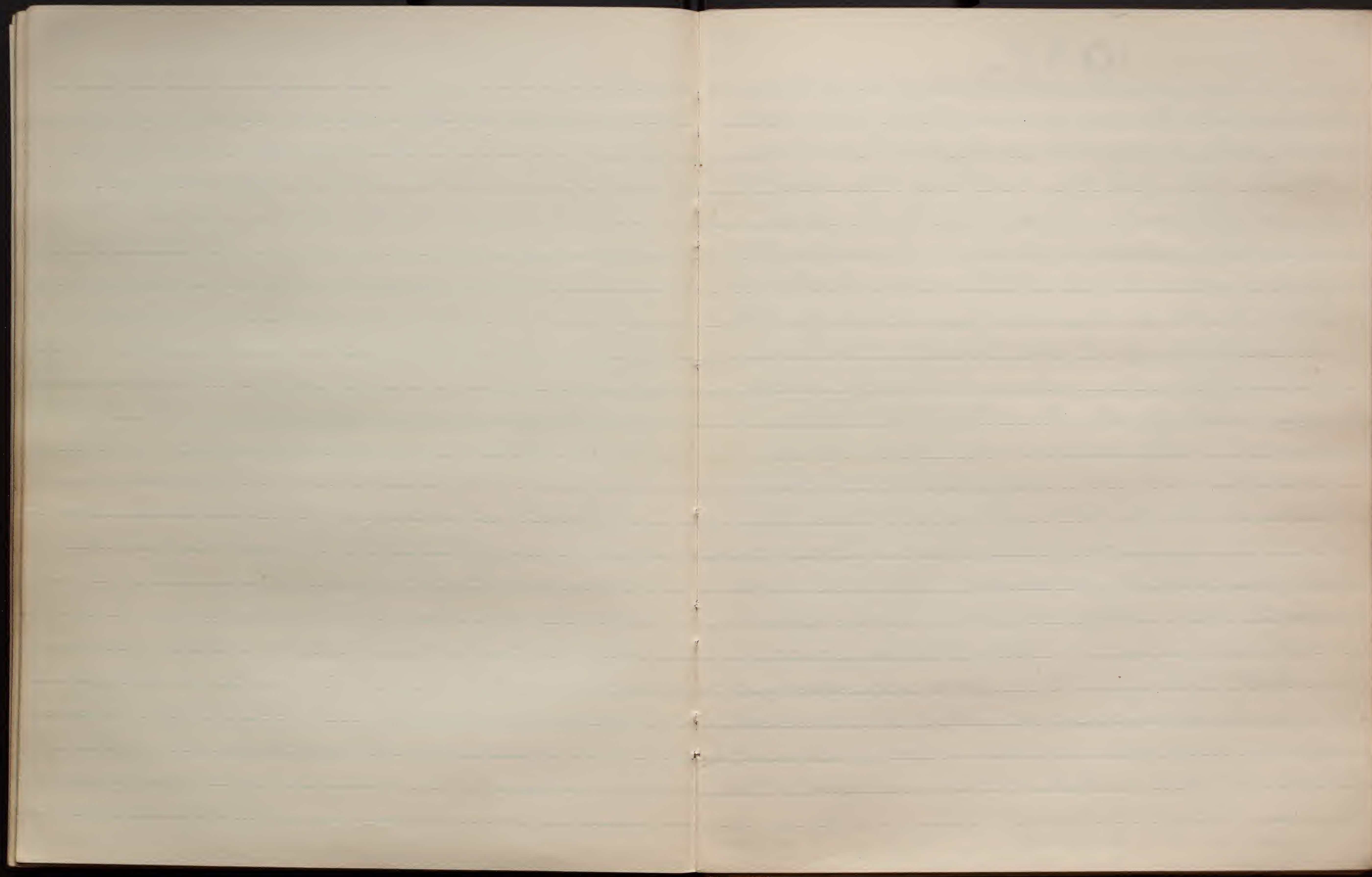
No *Vespa* + no other hymenoptera seen.

27th Dec. 1931. A fine day, nearly all sunny, with N.W.  
 wind (very strong N. of Bray Hd.: practically none at  
 Greystones + along S. side of Head).

Left car at Greystones + walked over Bray Head  
 to Bray, Co. Wi., with George + Hugh.

Many flies on seaweed at high tide mark; a few  
 beetles collected for Orkney; one dead *Ena obscura*  
 shell shaken out of dead grass at foot of cliffs S.  
 of cutting in rock near entrance to lost-tunnel on ry.  
 which may have fallen down cliff or been thrown up by  
 sea; but no hymenoptera seen.







1932\*

January, like Dec. 1931, was a very mild month & after some gales & rain the week of 18<sup>th</sup>-25<sup>th</sup> was absolutely calm & the days mostly very sunny except for some fog or mist. Barometer extraordinarily high as well as temperature. One Brown came out in front garden early in the month, but the nest did not appear till 26<sup>th</sup>. Sanddrops were out from 10<sup>th</sup> & by 20<sup>th</sup> at least two of the red Lacifragas had several flowers (prematurely) open. Hazel or catkins were seen by the Owenboy, <sup>& by a line at Kilgobbin bridge</sup> just below Reekets factory on 17<sup>th</sup>: one bush well out & another just out: owing to flood I could not cross to look for flowers.

25<sup>th</sup> Jan. 1932. The poorest day of the week: rather bleak, strong SE to SW winds, after a wet night when a slight depression passed over.

With Palmer & D.K. Kevan (of Edinburgh) took bus to Malahide & walked to Portmarnock Pt. & round dunes (golf links) back by estuary & back home. Mostly coll. marine mollusks on shore, but spent 5 minutes shaking Bracken roots on dunes & got one Braconid (Blacus ruficornis near ♀?) & Hemiteles ♀ as well as two species of Chalcids & some beetles for Owenboy.

Collected some galls of Cynipid species on dunes & from Owenboy & the following emerged the following species!

Purple Crocus out on 1<sup>st</sup> Feb. 1932.

9<sup>th</sup> Feb. 1932. After a few days illness Hugh, our younger boy died of scarletina, just a fortnight before his eleventh birthday. February was very dry & cold & the beginning of March the same, except for a slight break, with a depression about the 3<sup>rd</sup>. 13<sup>th</sup> March 1932. A most glorious day, after a few frosty nights & fine sunny days with E. wind.

Wind cool, but not strong enough to matter. Cycled to Enniskerry, where Hugh was buried, & spent the day in the marsh (between roads) & in the glen (Glenallen or Knockin). <sup>Co. WI.</sup> 11.30 till 4.30 pm.

On the willows in the marsh (now well in flower) I only saw a few Honey Bees. In the glen I saw nothing until I reached the big willow bush on sandy cliff which faces the Ravin Rock & Annaghree Wood (now felled). At this willow just as I got near it, a large insect like a ♀ Bombus flew away, but I was not near enough to be sure it was a Bombus. From 1.30 till 3.30 numerous Andrenas seen at this tree (mostly well out of reach). I believe all were either A. princeps or A. apicata & both ♂♂ & ♀♀ were seen.

Pezomachus ♀ taken on sandy cliff, with Formica fusca ♂♂. Red one very active. P.T.O.



March  
13<sup>th</sup> ~~Feb~~ 1932 cont. Glencullen cont.  
One ♂ Meloe proscarabaeus taken with last.

25<sup>th</sup> March 1932 (Good Friday).

Barometer low & falling, very stormy (SE)  
but no rain: high mist rolled over of all real  
beet & insects practically not to be seen.

Glencullen (for 1 mile above Enniskerry) Co. WI.

Bombus lucorum 1 ♀ "manning" herself: just out.  
Andrena clarkella 1 ♀ on ♂ Salix on sandy cliff.  
G. apicatus 1 ♀ with last.

Andrena sp.? 1 ♂ seen on coltsfoot on sand  
flat; like G. apicatus or praecox but might have  
been anything.

Lasius alienus? abundant on sand flat & river.

Also took Clavicornis lunicata on right bank of  
river high up an old Salix caprea opposite the  
ruined cottage above sand flat.

Daisy took a Braconid (Exochus glaucatus?)  
in woods just below sand flat.

Brought home about a dozen bored sticks from near where those  
containing Phidippus aculeatus were taken in 1931. } From these 6 ♂♂  
on 4.6.32 & 1 ♀  
on 8.6.32.

27<sup>th</sup> March 1932. A fine day, strong S.W. wind,  
warm, with low & falling barometer (? middle of a depression)  
Very few insects out; though much sun.

Ballyhenry quarry, Co. WI. 11-30 till 2.0 pm.

Bombus terrestris 2 ♀♀ seen. B. lucorum ♀♀.

B. jonellus several ♀♀ at willow up glen & 1 ♀ at gorse.

Andrena clarkella ♀ seen in quarry & ♂?

Other Andrena seen flying round tall ♀ willow in  
quarry (the only tree in bloom at this spot: other willow  
up glen well out). Meloe: several seen!

One small black ich. (? Hemiteles sp. ♂) taken on  
branch in glen. Chiff-chaff plentiful!

27/3/32 cont.

Deputy's Pass, Co. WI. 2-30 till 4.0 pm.

E. slope of pass, below old garden.

Two ichs taken & one ♀ Bombus heard!

♀ Cryptid = Habrocytus parietarius? small ♀  
on Vaccinium, red, with white mark on head & antennae.  
♂ Plectiscus or Tryphonid, black & reddish, small, with last.



30th March 1932. A stormy day, after a depression.  
 Greyston<sup>①</sup> - S. side of Bray Head<sup>②</sup>, Co. WI.

From till 3 pm. dull & later wet most of time.

*Bombus terrestris* ♀ seen at 1. *B. lucorum* ♀♀ at 1 & 2.

No other aculeates seen; except - *Apis mellifica* at 1.

*Theridion*? sp.? 1 ♂ at Sals at 2, in "glen"!

Cynipid beaten off Sals at 1.

Aphidid sp.? : remains of ♂ in pool along old ry. at 2.

NB. The mollusk *Paludetrina jenkinsi* abundant  
 with *Limnaea peregrina*, *Chara* sp., etc. in drain  
 at foot of "cliff" along old ry. at 2: 1/4 mile  
 S. of tunnel!

31st March 1932. A very cold day, NW + NE wind, rain  
 in forenoon, dull & windy in afternoon.

Drove Fred Hollins to Linalip in afternoon to look for beetles.

In Knockmaroon sand-pit, Co. DU., took 1 specimen of  
 woodlouse *Platyzanthus hoffmannseggii* in nest of *Myrmica ruginodis*.

Willow all well out along R. Liffey. In sand-pit, by Sandford  
 Bridge over the Rye Water, Co. KD. (E. of Barton!) took no specimen  
 of snail *Cocculoides acicula* under small rock stone. *Lasius*  
*flavus*? & *Myr. ruginodis*? the only hymenoptera seen!

2nd April 1932. A fine day, after two bad ones, cold  
 NW + NE winds, with heavy snow & hail shower in  
 afternoon & evening.

Glencaly oak woods, S. slope of Carrick Mt., Co. WI.

11-30 till 3 pm. Very little seen though some taken.

[Left car at Glencaly school & walked up lane from  
 church to oak wood, now being cut down to plant  
 with conifers by forestry dept. An appalling crime  
 in my opinion! East of lane the oak-wood is  
 still untouched & includes some beautiful ground  
 for insects.]

Saw *Bombus lucorum* several ♀♀.

*B. agrorum* 1 beautiful fresh ♀ on *Vaccinium* flower  
 some of which were well out.

Took one ich: *Orthocentrus* ♂ in wood  
 & a couple of Cynipids.

[Heavy snow shower & very cold on 3rd April  
 (Sunday) after a hard clear frosty night.]



10th April 1932. A cold day with gale from NW & heavy snow & hail showers, but bright sunny intervals. Drove to Drumdangan (between Glenties & Deputy's Barr) Co. WI, then on to Deputy's Barr itself, where saw a fresh ♂ Holly Blue. Showers almost spoiled collecting & the gale made everything shy.

Drumdangan, where old lane crosses railway = 1. 1 to 2 p.m.  
Deputy's Barr, N. side = 2. 2.30 till 3.30.

*Bombus lucorum* a few ♀♀ at 1 & 2. *B. agrorum* 1 ♀ at 1.  
*B. derhamellus* 1 ♀ on *Dandelion* at 1.

*Andrena praecox* ♂♂ common at 1, running themselves.

*A. guynensis* 1 ♂ at 2.

*A. laffloris* 1 ♂ seen & 1 very fresh ♀ taken at 2.

*Dolerus biogaster* ♀ taken near tall <sup>"Spanish Fir"</sup> *Spirea* at first elbow of "avenue" at 2.

*Stenomacrus* sp. ♂, very like *S. ventralis*, taken on *Vaccinium* in side glen at 2.

Peacock Butterfly at 1. Holly Blue at 2.

*Meloe* ♀ seen egg laying at 2.

[No sign of Swallows or Willow Wrens all day!]

15th April 1932. A fine day, with keen E. wind, some clouds. Took morning off (in lieu of Sat) & went to The Dingle, Co. DU to look for *Dolerus biogaster*, but sunny intervals were very short & few insects flying.

*Dolerus aeneus* 2 ♂♂, 2 ♀♀.

*Andrena guynensis* 1 fresh ♀ running in stone.

*Bombus lucorum* a few ♀♀. *B. agrorum* 1 ♀. *B. muscorum* 1 ♀.

Willow Wrens singing!  
[17th April 1932. See page 116 →]

20th April 1932. A cold day, but with much sun, spoiled by heavy hail showers in afternoon. Afternoon.

Drove to Enniskerry, Co. WI, but after a few minutes collecting, a very heavy hail & sleet shower, which lasted half an hour ended collecting. Did not attempt any further collecting.

Beaten from *Salix* below chestnut tree

*Pimpla (tricornis)* 1 ♀, (? hibernated).

*Empria tridens* ♀. V.R.C.H.P.

[One Cryptid? i.e. ♀, hatched or came out of the Enniskerry logs in Killybegs Fern case at home.]



17th April 1932. A bright cold stormy (N) day  
 & nothing flying: cloudy <sup>on</sup> hills & to the south.  
 Therefore drove north, with D. K. Kavan (Edinburgh)  
 to Ballintra Bridge, on the Boyne above Kavan, Co. ME.  
 Saw *Bombus terrestris*, *lucorum* & *agrorum* ♀♀  
 but no other hymenoptera.

20th April see previous page!

24th April 1932. A completely dull day after 11 AM,  
 after a clear night & brilliant morning. Cold & windy  
 N & E in forenoon; calm & mild after 2 pm.  
 Drove, with Palmer, to Ballyhenry, Co. WI, where  
 sunny at 10.45 AM, but little out. Some ♂♂ *Andrena*  
 seen flying round gorse & Palmer saw *nomalis*  
*eucophthalma* in the quarry. Also *Bombus terrestris*  
 & *lucorum* ♀♀. Small White & Peacock Butterflies!

Then drove on towards Glencaly, WI, & stopped at old  
 sand pit in field 1/4 mile NE-E of Glencaly church, but  
 no run: one small ich seen in grass at stump but missed.  
 Quite nice ground!

Next drove on to railway crossing at Drundangan,  
 WI, but no run, cold & windy. Saw *Bombus lapidarius* 1♀

24/4/32 cont.

For the first time 1932; also *B. terrestris*, *lucorum* & *agrorum*  
 Palmer saw one ♀ *Andrena* by railway track on  
 probably *A. praeceps*.

Finally drove on to Deputy's Pass about 12-30  
 & stayed till 4.45 but no run though sheltered  
 & mild. Many ich. beaten <sup>out</sup> of Fir, Holly, Hazel, &c.

Deputy's Pass, Co. WI.

<i>Bracon variegator</i> ? 11 ♀♀.	} Beaten out of Spanish Fir tree ( <i>Abies pinsapo</i> ) at first elbow of avenue up road: N.E. side of pass!
<i>Pimpla promorosa</i> 1♀.	
<i>P. elegans</i> 5 ♀♀.	
<i>P. maculator</i> many ♀♀.	

<i>Hemiteles areator</i> ? 3 ♀♀. & other sp.	} all beaten out of oak, hazel & on older oak wood at NE end of pass, high side of glen
<i>Stenomacrus ventralis</i> ♀♀, & ? other species	
<i>Picrostigma</i> sp? ♀♀.	
" " " "	

*Anteon brachycerus* Graham 2 ♀♀, 2 more missed on tray  
 (1 ♀ given to Palmer)



27th April 1932. A dull afternoon after a fine morning,  
due to approaching depression: sun in shelter but  
windy (SE) in pm; few insects out.

*Bombus lucorum*, G. & S.

1 = Bluff below chapel. 2. Slopes opposite Mr Doyle  
below 1st terrace.

*Bombus terrestris*, *lucorum*, *agrorum* & *terrestris* ♀♀ seen.

*Andrena gurganea* ♀ on dandelion at 2.

*Halictus (albifrons or pygmaeus)* 1 ♀ on dandelion or daisy at 2.

*Empidonax vociferans*? 2 ♀♀ beaten off willows at 2.

*Orthocentrus radiatus* 2 ♀♀ beaten off willows at 1.

*Empidonax* sp. ♂ & ♀, in cop. beaten off willow at 1.

Swallows, House & Sand Martins abundant flying over  
the Loder at 1!

[Bombers heard at Hardin's Cross, DU, on 30/4/32  
31/5/32 at 8 pm.

1st May 1932. A fine day, but dull with heavy misty clouds  
& SE wind in morning; clearing about 2 pm, after which  
there was considerable sun.

Drove, with Palmer, to Killybegreen, Co. WI, & stopped to investigate marsh  
& old sand pit a little west of Newcastle Church, there also  
is a very nice swampy side channel, full of *Salix*, draining  
into part of the Killybegreen channel.

1.5.32 cont.

Newcastle - Killybegreen, G. WI. 12-12.30 noon

One blink of sun!

*Bombus terrestris* (George!), *B. lucorum*, *B. agrorum*,

*B. lapidarius*.

*Andrena albicans* ♂♂

*Andrena* *terrestris*? ♀ caught in mesh.

*Empidonax*? beaten off dandelion in flower!

*Empidonax*

1.5.32 cont. Drove on to Deputy's Pass, G. WI.

Deputy's Pass, WI, 1.30 till 5.0 p.m.

*Bombus lucorum*, *agrorum*, *terrestris* (Palmer!) ♀♀.

*Prithyrus distinctus* ♀

*Vespa vulgaris* ♀.

*Salix fuscescens* ♀ (Palmer!)

*Andrena proxima* ♂♂ & ♀♀ (Palmer!). *A. albicans* ♂♂.

*A. lapidarius* ♂ & ♀ seen. *A. jacobae* ♂♂ abundant at Laurel

*A. minutus* ♂ seen, ♀ taken.

*Sphaeroder divinus* ♀ in "garden".

*Andrena* sp.? 1 ♂ beaten off holly or hazel after tea.

T. T. O.



1.5.32 cont. Deputy's Pass, WI, cont.

*Anthophila pallidiorum* ♀ (Blower) at Padi.

*Deucalion* ? ♀

*Phryganea* several off. hatched off lily, light 1.

*Halictus confusus* ♂♂ 1 ♀ on Laurel.

*Compophaga* several off. abundant on Laurel

*Orthocentrus* or *Stenomacrus* off. *Stenomacrus* ventralis ♀ hatched but not reared.

*Pieris* ♂♂ 4 or 5 ♀♀ hatched

*Phryganea* several off. 1 ♀ hatched

*Apanteles* black ♂ 1 ♀ hatched

*Phryganea* off. (red) 2 or 3 hatched

3.5.32. First *Andrena jacobae* ♂♂ & 1 ♀, very fresh, seen in garden at 14, Clareville Rd, Harold's Cross, DU.

First *Apanteles* hatched from cocoons put by H. C. Higgins from plume-moth larvae from Seston, Dorset. [Another ♂ at n. 4.5.32.]

♂ *Proctotrupid* hatched from Enniskerry logs!

4th May 1932. A fine day, with keen NE breeze; sun very hot. Sun out but mid day dull & afternoon only really sunny after 3.30 pm. Drove via The Dingle to Glen of the Dorr. The Dingle, Co. DU. 2.15 till 3.0 pm. Very little sun!

*Andrena albicans* ♂♂ & ♀♀. *A. jacobae* ♂♂

*Bombus lucorum* only 1 ♀ seen. *Halictus rubicundus* ♀.

*Dolerus* other species? 1 ♂ in marsh where *Ligustrum* caught & a few other wasps seen in distance.

*Diplotaenidia chrysopoda* 1 ♀ hatched off Blackthorn flowers. ✓ RCLP.

2 ich. 1 *Compophaga* in 'muzzing'

1 in water.

4.5.32. Glen of the Dorr, Co. WI, 3.30 till 5.0 pm.

Much sun! Collected at foot of glen along old mill race.

*Bombus terrestris* 1 ♀. *B. lucorum*, *B. agrorum* ♀♀ seen.

*Andrena albicans* ♂♂ & ♀♀. *A. jacobae* ♂♂ & 1 ♀ (running).

*A. minutula* ♂♂ & ♀♀. Almost all *Andrena* on flowers of Wild Garlic.

*Homocidus* *marshamella* & *H. bipida* ♂♂ on Garlic, etc.

*Halictus rubicundus* 1 ♀.

*Dolerus* *aeneus*? 1 ♀

*Blacus* *transversus* ♂♂ & ♀. ✓ RCLP.

*Mesochorus* *pallens* ♀ ✓ RCLP.

*Rhyssalus* *auripennis*. Common on Wild-Garlic &c.

T.T.O.



4.5.32 cont. Glen of the Downs, WI, cont.

*Pimpla turionellae*, 1 dark ♂.

*Homocidus* 2 spp.

*H. obscuripes* 1 ♂. *Promethes pulchellus* 1 ♀.

Several *Camptoplegid*: 1 with red & black-tipped & 1 with black & white.

Apart no other species.

*Aphidius* 2 ♂♂ & 1 other *Braconid*.

*Chalcid* *Bracon* ♂.

8th May 1932. A variable day, with low & falling glass; fine along coast where an east wind kept the rain driven back against the hills. Heavy rain in Dublin & the hills almost all day.

Deputy's Pass, Co. WI, (NE. side as usual). 12.30 till 5.0 pm.

Very little sun, but no rain & sheltered. Spent all time beating laurel (in old garden) & holly & the freshly leafed hazel, birch, beech & oak in the "oak wood" & around the old garden. Very few aculeates seen!

*Bombus terrestris* 1 ♀, *B. lucorum* 7 ♀♀. *B. agrorum* 7 ♀♀.

*B. hortorum* 1 large worker (or? very small queen) on primrose.

*Andrena albicans* ♂♂ & ♀ in garden. *A. jacobae* ♂♂ at laurel.

Very many small Ichneumonids & Braconids taken in beating tray. *Stenobothrus* 1 ♂, 1 ♀ (small, 29 g. 10.11.31).

*Pimpla rufipes* 1 ♂ off laurel. *P. sp.* 1 small ♂, 1 ♀ (small, 29 g. 10.11.31).

*P. insignis* ?? 1 small ♀ on laurel with dark legs.

*Stenomacrus mactator* 1 ♀. *S. sp.* 1 small ♂, 1 ♀.

*Orthocentrus* 1

*Picrostigeus* 1

*Exochus* 1 small

*Homocidus* *cinctus* ♂♂ & ♀ off laurel & hazel

*H. flavolineatus* ♂ off hazel or beech?



Deputy's Pass, W1. 8.5.32 cont.

*Eclipta fontinalis*, 1♂, 1♀.

027, 1000000.

Exhibit. Bremen 2010.7.14

Stockholm May 5<sup>th</sup>, 1932.

Dear Mr. Stolker



BAORSCÁC ÉIREANN


Telephone No. :—  
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN  
(National Museum of Ireland),

**SRÁID CHILL DARA**  
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19.....

Obs. A praecedentibus [i.e. S. pusilla Holmgr.  
corpore parvo, capite thorace compressis,  
antennis apice subspiraculis, flagell. articuli  
discretis, pilosulis. 1:0 triangulari q. ca 2:0  
subtransverso vix longiore, alis radis fronte  
medium stigmatis egrediuntis.

to with your list,  
at my old mother's  
about for some  
insects have been  
s. Many thanks  
all. After having  
at it, I put almost  
prime condition.  
a credit for  
union - ♂♂ are not  
not all. From  
one of them is  
hindeku. sci-  
only in a note  
- recognized (♂♀)  
cutellum  and  
color of the scu-  
In Asia I have re-  
interesting spe-  
where the yellow  
all with the dull  
with such a dark





SAORSCÁC ÉIREANN

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ÁRD-MHÚSAEUM NA h-ÉIREANN  
(National Museum of Ireland),

SRÁID CHILL DARA  
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19.....

Original description of

Stenomacrus compressus Thoms.

Thomson, Opuscula Ent., p. 24 36-7.

"C. S. compressus m. Niger, antennis basi et  
pedibus pallidis, postannello fere transverso.

Long. 1 lin.

Obs. A praecedentibus [i.e. S. pusillus Holmgr.]  
corpore parvo, capite thoraceque compressis,  
antennis apice subspiralibus, flagelli articuli  
discretis, pilosulis 1:0 triangulari quam 2:0  
subtransverso vix longiore, alis radio fere ante  
medium stigmati egrediente."




Stockholm May 5<sup>th</sup>, 1932.

1.

Dear Mr Stelfox,

I am a little late with your list, but the box arrived when I had just lost my old mother, <sup>(aged 84)</sup> so there were other things to think about for some time. Now that I am alone, your specimens have been a useful recreation in the evenings. Many thanks for your kind permission to keep them all. After having very soon broken one *Glypta* in looking at it, I put almost all specimens on new pins. All arrived in prime condition.

At the beginning I must give you credit for your good naming. The yellow *Schneumon*-♂♂ are not easy, but you have succeeded with almost all. From my point of view the most interesting one of them is *Anthlytella longigera* Th., of which Schmiedekne. evidently has a very hazy idea, for it is only in a note appended to his key. It is always to be recognized (♂♀) by the transverse impression of the scutellum  and the red tip of the hind femora, but the color of the scutellum varies ♂♀ from yellow to black. In Asia I have recognized it from Kamchatka. Another interesting specimen is your *Anthly. crispatorius* L., where the yellow propodeum is very conspicuous in contrast with the dull red abdomen. I have only 1♀ (Upsala) with such a dark



(6)  
66. Exochus prosopius ♂/♀ Rathdrum, Co. WI. 6.8.25.

Correct.

67. " pictus ♂/♀ Powerscourt demesne, Co. WI.  
10.9.30.

Correct.

68. " sp.? Bellevue, Co. WI. 23.8.31.

E. prosopius Gr. ♂. Lower end of gaud in your specimens with a little yellow.

69. Orthocentrus sp.? 4 on one card! Beaten off Ivy  
68. Hornum (Hedera Helix!). E. of The Scarp, Co. DU.  
29.11.31.

Stenomacrus ? palustris Hgn ♀. First abdominal segm.  
narrower than usual & mostly polished, otherwise agreeing w.  
palustris.

70. Stenichneumon culpator black ♀. Powerscourt  
69. deerpark, Co. WI. 18.9.28. I have only seen  
two Irish ♀♀ with any trace of red colour  
on abdomen.

In Sweden the abdomen is rarely quite black, the tibiae  
are usually ± redmarked.

<sup>a</sup>  
Reply May 5<sup>th</sup>, 1932.

A. Roman.



abdomen. Perhaps it is this form that Weernael called *A. xanthus*. Your *Hoplum. maurs* Marsh. is the darkest form existing of the not rare *H. bipinatif. Thbz.* (perniciosus<sup>Chr.</sup>). In Sweden it has sometimes black legs, but never a totally black abdomen. Morphologically there is no difference. With us the smaller *H. armatorius* F. (albifrons<sup>Chr.</sup>) is commoner, & I have seen no intermediate forms, but from central Europe I will remember to have seen one. The *H. maurs* reminds me of another melanism I got from Rev. Johnson. It is a pair of an *Exetastes* (Rostrevor 2/7/30) coloured like *E. nigripes* Chr., but belonging to *E. illuor* Chr. Perhaps you can get specimens from him, if you have not found it yourself. The third remarkable Irish melanism I know of is the very dark *Stenichu. culpator* Schrk. you sent me, but this form has a wider extension. I have just had an English ♂ from the Fen region for inspection (sent by G. J. Kerrich, Cambridge) & possess a Swedish ♀ (perhaps a shade paler). In these melanisms probably many more your mild but nevertheless raw Gulfstream climate has set its mark. There is a corresponding fauna in E. Asia<sup>N.Y.</sup>, Japan & the Amoor region. We have got a very good sample of it from the Vladivostok district, nearly 2000 Ichneumon



monids taken in 2 months by Mr R. Malaie. I knew him before he travelled there, so when he took sawflies for his own part he remembered me & kept all Ichneumonids he secured at the same time.

The general impression is that of a black-legged fauna, often with the whole abdomen black, too. I should think at least  $\frac{1}{3}$  of the species are European, but sometimes in colour forms difficult to recognize. It is evidently a coastal fauna, though extended pretty far into the country, but the interesting thing is that the climatic conditions resulting in such a dark fauna are partly <sup>the</sup> reverse to yours. The sea around Ireland is temperate all the year, at Vladivostok & N.W. Japan it is very cold all the year. In summer you have too little sun, at Vladivostok there is plenty of it. Ireland has a moist climate all the year, E. Siberia mostly in spring & autumn, but in spring with violent differences between day & night temperatures.

As to *Ichneumon* it looks as if it had two kinds of  $\delta\delta$ . For several authors mention both sexes of *annictum* without observing any difference in the form of the head. Thomson says he found it in plenty in one locality, but without expressly stating the sex. And of *capitatum* few.



N<sup>o</sup> 39 is correct.

39. Ichneumon extensorius ? <sup>18</sup> 20<sup>22</sup>. Herdstown, Co. DO. 1.8.31.

<sup>2</sup>40. Amblyteles longigena Thu. 8. This is the first European specimen I have seen outside Scandinavia & Denmark. Is near luctatorius L.

41. Habrocryptus minutus ♂. Deputy, Pass, Co. WI. 24.7.29.

Correct.

42. " prorectorius ♂. " " " 19.7.29.

Correct.

43-44. Aerocinus (<sup>stylator</sup> ~~halobatus~~) ♂ & ♀. Clara, Co. WI.

♂ on 8.6.26. ♀ on 12.7.26.

Correct.

45. Aphantes ruficornis ♂. Glenmore, Co. WA. 29.7.28.

Correct.

46. Agypon sp. f. <sup>Thu</sup> stenostigma ♂. Kilcory, Co. CW. 6.8.29.

Correct.

47. Schizoloma capitatum 1♂, 2♀♀. Monkstown, Co. MC.

49. Coll. M.S.D. Westropp.

We have no ♂♂ of Schizoloma. Our 2♀ (1. S. Sweden, 1 Germany) are like yours.

50-51. Leptopygus harpurus 2♂♂. "Pine Hill", Mourne, Co. DO. 20.7.31.

Correct.

52-53. Bremastus geminus ♂ & ♀. Kilgorman, Co. WX. 20.8.25.

Correct.

54-55. Homotropus pictus ? <sup>2</sup> 22<sup>2</sup>♀. A very common species but does not fit description of any species! From my garden in Dublin ♂ (12.6.31) & ♀ (8.7.31).

Correct. Compared w. type of pumilus Hgn.



there is no  $\phi$  known. Myself I have never found this genus; it does not seem to extend northwards of the beech limit, & that ~~goes~~<sup>follows</sup> in Sweden about the latitude  $57^{\circ}$  N.

Spring has come here, but it is still only early spring with few flowers & no leaves on trees & bushes. As usual here the spring is rather dry, as soon as we get a good rain, the leaves will come out at once. I am free from the Museum till Whitsuntide & intend to stroll a little in the environs on fair days. Insect life is awakening, first of all the hibernators, so I hope not to return empty-handed.

I found the backs of your list handy for answering & hope you will excuse this informal manner.

Yours truly

A. Roman.

P.S. I send you my last paper as sample post.



31. Ichnumon confusorius ♂. Kilkeel, Co. DO. 23.7.31.  
Correct.

32. " terminatorius ♂. Arklow dt., Co. WI. 2.8.25.  
Correct.

33. " validicornis ♂ ♂. Arklow dt., Co. WI. 3.8.25.  
Correct. Found as far east as at Irkutsk in Siberia.

34. " gracilentus ♂ ♂. Our Valley, Co. WI. 4.8.29.  
Correct.

35. " tempestivus ? ♂. Larne Harbour, Co. AN. 31.7.31.  
J. albiger W. Tempestivus is only a ♀ var. w. yellow hind tibiae.

36. " emancipatus ? ♂. Glen of Imaal, Co. WI. 31.7.27.  
Ichn. insidiosus W. ♂ sec. Thoms.

37. " zonalis ? ♂. Cranfield, Co. DO. 23.7.31.  
Amblyteles erratorius Thurb. (culpat. Cu.) ♂ var.  
This is a var. of the real luctatorius L.

38. " suspiciousus ? ♂. Kilmalin, Co. WI. 29.7.23.  
Perhaps correct, for I cannot see the elevated costa oralis, but the specimen is very like bucculentus W. ♂.



20. Hoplismenus "maurus Marshall", see Morley, appendin  
at end of vol. V, Brit. Ichneumon.

♀. Borrisokane, Co. NT. Coll. R.A. Phillips. 1.5.30.

Hoplism. bispinatorius Thunb., a remarkable  
black variety.

21-22. Automalus alboguttatus ♂ & ♀. Clara, Co. WI.

♂ on 29.7.29. ♀ on 25.7.30.

Correct, but the white decoration more reduced  
than in Swedish specimens.

23. Proctichneumon fuscipennis ♂. Curracloe, Co. WX  
29.6.30.

Correct.

24. Ichneumon lugens ♀. The Derries, Co. QC. 16.10.27

Under bark!

Correct.

25. " ligatorius (gradarius) ♂. Lunestown, Co. WH.  
5.9.27.

Correct.

26. Tricholabus strigatorius ♂. Portrane, Co. DU. 31.8.28.

Correct, but ♀. In Sweden found to about 62°N.

27. Amblyteles crispatorius var. ♂. The Murrrough, Co. WI.  
4.9.27.

Correct, but mesopl. w. yellow spot w. black centre & propod. all yellow.  
All my ♂♂ have mesopl. without spot & propod. at most w. a spot on each side. x)

28. " quadripunctatus ♂. Deputy Carr, Co. WI.  
24.7.29.

Correct. Swedish ♂♂ have tergites 2 & 3 or only 3 w. a pair of very small spots.

29. " punctus ? var. ♂. Rathmullan, Co. DO.  
3.8.31.

Ichn. gracilicornis Cr. ♂ var., possibly I. stenocerus Thunb.

30. " castanopygus Steph. ♂. Portrane, Co. DU.  
31.8.28.

Correct. Very rare in Sweden.

x) Ab. in your ♂ almost  
all red above. In my ♂♂ the  
middle is broadly yellow  
w. red incisures, tergites 5-7 black.



List of Ichneumonidae given to S. Roman April 1932  
with his remarks.

1-4. Glypta nigrotrochantaria. 1♂ (? this sp.), 3♀♀.

from Cappoquin, Co. WA. 15.8.28. ♂ + ♀

Kilcarrig, Co. CW. 5.8.30. 2♀♀.

The ♂ no doubt correct. The same proportions of abd. & colour of legs.  
A melanistic var., but w. yellow stigma. Coxa, troch. & abd. quite black.

5-8. G. "rostrata" 2♂♂, 2♀♀. Herdstown, Co. DO. 1.8.31.

Glypta bicornis Boie (rostrata Hq.), melanistic var. without frontal hollow.

9-15. G. mensurator 2♂♂ (? this sp.), 5♀♀.

from Kilcarrig, Co. CW. 6.8.29 1♂

" " 5.8.30 2♀♀.

Rathdrum, Co. WI. 13.7.26. ♂ + ♀.

" " 13.7.27. ♀.

Fenagh, Co. CW. 1927. ♀.

The same sp. as nos 1-4, but w. shorter ter. Resembles very much G. crassitarsis Thun, which has the ter. still a little shorter. Probably all are vars. of G. mensurator F.

16-17. Melanchneumon persecutor ♂ + ♀. Rathdrum, Co. WI. 6.8.25.

Correct.

18. " sanguinator ♀. Upper Liffey, Co. WI. 2.9.27.

Correct.

19. Stenichneumon defraudator (v. castaneus) ♀.

Clara, Co. WI. 23.11.30. Under bark of log!

S. castaneus Gr. w. white tip of scut. Your specimen has the femora more black than in Sweden, where they are sometimes quite red. The white scutellar tip occurs in Sweden too, but is probably commoner southwards.



Mr. Lucas's captures 1932.

Those without locality are from Timoleague, W. Cork.

Psithyrus caespitius 2♀♀ of dark form (one from Co. Kerry 14.7.32).

Andrena nigraenea 1♂. A. jacobae 1♀.

A. fucata 2♂♂ 1♀ (1♂ from Bandon!).

Odynerus pictus 2♀♀ (one typical; the other pale banded).  
from Kerry, 19.7.32

Crabro leucostomus 1♀. Halictus albipes 2♂♂.

Pompilus nigerrimus 1♀.

Nomada marshalliana 1♀. N. goodeniana 1♀.

N. ruficornis 1♂.

Tenthredella ferruginea 1♀. T. mesomelas 1♀.  
from Co. Kerry, 22.7.32.

Tenthredo areolata 1♂, 2♀♀.

Selandria sericea 1♀.

Hemichroa alni 1♀. Co. Kerry, 22.7.32.

Bombus pennator ♀. Co. Kerry, 22.7.32.

B. Specimen  
collected on  
19<sup>th</sup> & 22<sup>nd</sup> June  
come from "at Clooney,  
by Lake Inchiquinn,  
near Keshmone"

Cratichneumon fabricator ♂ & ♀. Ich. sarcitorus 1♂. Stenich. culpator ♀.

Alomyia debellator 2 red ♂♂. Pimpla instigator 1♂ but from Pluvialis  
Co. Kerry, 19.7.32 pertusae!

Ephialtes tuberculatus 1♀. Henicospilus ramiculus 2♀♀ (1 Co. Kerry, 19.7.32).

Aphanistes ruficornis 3 ♂♂ (Co. Kerry: 19.7.32). Schizoloma capitata? 1♀.

Opheltes glaucopis 1♀, Co. Kerry, 19.7.32. Cataglyphis? ♀.

Lamproloma? ♀. Lissonota? ♂.



List of iks given to Dr Roman: April 1932.

- Glypta nigriventris* ♂? 3♀♀ { Clippogain, 15.8.28 ♂ & ♀  
Kilcarny, 5.8.30. 2♀♀.  
" *rostrata* 2♂♂ 2♀♀. Herdston. 1.8.31.  
" *membrata* 2♂♂? 5♀♀ { Kilcarny, 6.8.29. ♂? nigriventris.  
Rathdrum, 5.8.30. 2♀♀.  
13.7.26 ♂ & ♀.  
12.7.29 ♀. Finnyl. 27.9.  
*Melanichneumon persentator* ♂ & ♀. Rathdrum, 6.8.25.  
" *sanguinator* ♀. Upp. Killy. 2.9.27. ♀.  
*Stenichneumon defraudator* (x of castaneus). ♀. Clara 23.11.30. ♀.  
" *culpebra*, Hackm. ♀. Boreenagh Bk. 18.9.28.  
*Hoplismenus maurus* Marshall ♀. Boreenagh. 1.5.30.  
*Automalon albiguttatus* ♂ & ♀ } Clara 29.7.29. ♂  
" 25.7.30. ♀.  
*Proctichneumon fuscipennis* ♂. Burrenclough. 29.6.30.  
[*Ichneumon luejan* ♀. The Derris. 16.10.27.] trs. to end  
" *gradarius* ♂. Luncston. 5.9.27.  
*Tricholabus strigatorius*. Portman 31.8.28.  
*Amphiteles crispatorius* ♂. The Derris. 4.9.27.  
" *quadripunctatus* ♂. Deputy's Pk. 24.7.29.  
" *punctatus*? ♂. Rathmullan. 3.8.31.  
" *castaneipylus* ♂. Portman. 31.8.28.  
*Ichneumon confusus* ♂. Kilkub. Kilkub. 23.7.31.  
" *terminatorius* ♂. Arklow dt. 2.8.25.  
" *validicornis*? ♂. Arklow dt. 3.8.25.  
" *proclitator*? ♂. Old Valley 4.8.29.  
" *torquatorius*? ♂. Larne Harb. 31.7.31.  
" *emancipator*? ♂. Glen of Linn. 31.7.27.





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BAILE ÁTHA CLIATH (DUBLIN),.....19.....

List of aculeates taken by  
Rev. Canon G. Fort at  
Droghda, W/D = Aug. 1931.

Vespa rufa ♂, Halictus calceator, <sup>3♂♂</sup> 2♀♀.

H. albipes, <sup>2♀♀</sup> H. freygessneri 1♀.

Andrena grynana, 2♂♂, 10♂, 9♀♀.

A. coitana 3♀♀.

Nomada obtusifrons ♂ & 4♀♀, very small.

Salix exaltatus, 1 small ♀.

Crabro varus 3♀♀.



*Ichneumon zonatus*? ♂. Cranfield. 23.7.31.  
 " *suspicius*? ♂. Kilmallin. 29.7.23.  
 " *catenator*? 2♂♂. Herdston. 1.8.31.  
*Habrocryptus fovea minutum* ♂. 24.7.29.  
 " *pectatorum* ♂. 19.7.29.  
*Acronictus macrobatus* ♂ & ♀. } Clara. 8.6.26♂.  
 " " " " " " } 12.7.26♀.  
*Aphaniastes ruficornis* ♂. Glenmore, WA. 29.7.28.  
*Agrypon stenostigma*? ♂. Kilcorry. 6.8.29.  
*Schizotoma capitatum* ♂, 2♀♀. Monkstown, MC. 19.27.  
*Leptopyga harpurus* 2♂♂. "Pin Hill", Down. 20.7.31.  
*Bremaster geminus* ♂ & ♀. Kilgorman. 20.8.25.  
*Hemiteles pictus*? ♂ & ♀. Harold's, 12.6.31 ♂. 8.7.31 ♀.  
 " *pectatorum*? ♂ & ♀. Dromedary, 4.8.31.  
*Theridion*? sp.? ♂ & ♀. Portlaoine. 30.8.31.  
*Plectiscus* (cf. *tener* Först) Devil's Glen. 26.10.30.  
*Chorineus cristatus* Down. 1.7.31.  
 " *flavipes*? Dromedary. 2.8.31.  
 " *'longicornis'*. Clara. 19.5.29.  
*Ophion macrargyi* (Det. Johnson). Portlaoine. 31.5.31.  
*Exochus prospicus*. Rathdren. 6.8.23.  
 " *pictus*. Portlaoine. 10.9.30.  
 " sp. Sallern. 23.8.31.  
*Orthocentrus*. 4 on card. E. of Scally. 29.11.31. On wing.



Deputy's Pass, WI. 8.5.32 cont.

2000, with small, of *muscaria*?

1000 with small *muscaria*

1000 *Phytolacca*? *Opuntia* *elliptica*

*Gypsophila* *paniculata* (Red Ch. *Stellaria* *repens*)

*Eclipta* *fontinalis* 100, 100.

*Biscutella*

*Melissa* 2 off 99 (albid. *lanceolata* 200)

*Rhynchospora* *circumscissa* 200 *Apantales* 9 (4 *decussata* Hal.)

*Rhynchospora* 2 off 99 *Rhynchospora*? 200 on *Rhynchospora*?

*Opuntia* 200 on *Euphorbia* *intacta* Hal 200?

*Orthocentrus* 200 (A. *disticha*?) *Orthocentrus* 200

*Decussata* 2 off 100 *Stellaria* 100

*Albidula* on *Stellaria* *floribunda*? 99

*Eclipta* *fontinalis* 99

*Tringa* of 2? 19 at bottom! taken off leg? in orchard.

*Colletes* *vicinus* 200 at 193

9th May 1932. First sapflies emerged in breeding pots!

Pot A. Ex larvae on alder, Kelly's Glen, DU. 18.10.31.

2 ♀♀ *Hemichroa* *crocea* [another 9 the following morning, put on alder in garden]

Pot H. Ex green larvae with red dorsal stripe, on *Salix*, in

Glencady oak-wood, G.WI, on 25.10.32.

1 ♀ nearly all green, 2 ♂♂ *emarginatus*

*Apantiles* sp. 100, ex plumbea moth, taken by H.C. Higgins at  
Isle of Wight.

Whit Week-end Holiday 1932.

13th May 1932. Left Dublin at 3-30 & drove to  
Duncannon, Co. WX, via Arklow, Enniscorthy  
& New Ross. Caught 7 *Eupria* *tridens* <sup>✓ RCLB?</sup> in car at  
Little Bray, Co. DU.; *Aphidius* ♂ in car  
somewhere in Co. Wicklow; stopped at bridge below  
Bray Cottage, 1 mile SW of Camolin, Co. WX, &  
beat Blackthorn flower, which yielded <sup>six</sup> about 7 ♂

*hymenoptera* :-

*Chorinea* *talpa* Hal.

*Apantiles*

*Brachyptis*

♂

*Aphidius* 9 taken on *Salix* 100  
Mayfield, on the bank of the river, before being taken.



14<sup>th</sup> May 1932. A misty day with strong westerly wind, but much sun in afternoon. Warm.

Drove from Guncannon to head of Barrow Bay & collected for an hour along edge of estuary at Nelson's Bridge (near Wellington Br.)

11-30 till 12-30. Nelson's Bridge: <sup>G.WX</sup> no real sun.

*Andrena albicans* ♂♂, 1 ♀ at Salix. *A. praecox* ♂♂ & ♀♀.

*A. punctata* 1 ♂. [*A. minutula*? seen]

*Halictus calceolus* 1 ♀ on Salix. *H. nitidiusculus* ♀♀.

*Norada mackhamella* ♀.

*Dolerus olivaceus*? 1 ♂ in spiders web in marsh.

*Hoplocampa rutilicornis* ♂. *Empria pumila* 1 ♂. } 3 at Salix, + *Empria*

*Amauronematus* (leucolus?) ♀ ✓ RCLP. *Pontania* sp. ♀

*Proctos* 1 ♂, 1 ♀. *Proctos* 1 ♂, 1 ♀. *Proctos* 1 ♂, 1 ♀. *Proctos* 1 ♂, 1 ♀.

14/5/32 cont. Next drove on to Kilmore Quay & spent the afternoon in Ballyteige Burrows, G.WX.

Ballyteige Burrows: 1.30 till 5.0 pm.

*Bombus lucorum* 1 ♀. *B. muscorum* 2 ♀♀. *B. dussumieri* 1 ♀.

*Osmia aurulenta*, very fresh ♂♂ & 1 ♀ on *Viola canina* & "canina" & 1 ♂ on *Taraxacum*.

*Andrena viridis* ♂♂ very fresh.

*Halictus rubicundus* & *H. calceolus* ♀♀

Cocoon found in dunes from which emerged a small ♂ *Sphen laticornis* on 14/6/32!

Ballyteige Burrows, WX, 14.5.32 cont.

*Myrmica rubicundis* & *myrmica* ♀♀.

*Stenomacrus* *crispatus* abundant in at least one place in the dunes. New to Ireland.

*Dolerus picipes* 1 ♂ in dunes on *Proserpinaca*.

*Pezomachus anthracinus*? 1 ♂.

*Stelidopterus* or *Attractodes* sp.?

*Aphidius* 1 ♀.

Some beetles collected for O'Rourke.

By: *Stenocranus* *gibbus* seen, but not collected. *Stenocranus* *gibbus* seen, but not collected. *Stenocranus* *gibbus* seen, but not collected.

[I evening collected one *Rhagothrips* & 1 *Proctos* in *Alnus* at Guncannon Fort, G.WX.]

15<sup>th</sup> May 1932. Very calm, very warm, very dull: no sun till 7.30 pm: barometer low & falling all day. Very little flying & not more than a dozen *Bombus* seen all day. All G.WX.

Drove from Guncannon north-east via Haggard Bridge, Aughoy Bridge (2 miles E. of Slieve Boiltra), Carragh, to railway between Berkeby Forest Ho. & Ballygarra (on R. Barrow). Stopped to beat Salix by the roadside just S. of Aughoy Br. (=1) & here took in ick, a *Picrostigma* ♀ on the alder. Next stopped S. of Bushenstown (=2) where took several



15/5/32 cont. Co. WX

icks at <sup>(not in flower)</sup> ~~last~~ <sup>flowers</sup> ~~thorn~~, ~~mycamore~~, or ~~beaten~~ out  
 spruce (1 <sup>very</sup> <sup>small</sup> <sup>small</sup> <sup>icks</sup>!). Then drove  
 on to railway & collected for several hours  
 by stream & just above (slate quarry) & below (old  
 road, ~~the~~ ~~thorn~~ & c.) first of three railway bridges E. of  
 Ballyanne (= 3). Drove on towards Collmourt  
 about 3.30 pm, E. to Ballygriffin station & stopped  
 for an hour about half way down valley to Collmourt,  
 then good marshy land, Salix, & c. (= 4): here west  
 of valley (thence to railway) discovered two lovely  
 sand-pits, practically disused, in mound of glacial  
 drift, at about 250 feet alt.: drift largely granite  
 with current bedded sandy beds (very important  
 in view of J.K. Chadwick's view that this is  
 some distance south of the last glaciation. Very  
 good ground seen about Collmourt of only many  
 rather could be met with!

*Bombus lucorum* a few ♀♀ seen at 2, 3 & 4

*B. hortorum* ♀♀ seen at 2 & 3. *B. agrorum* ♀ at 3.

*Andrena albicans* ♂♂ at 2, 3 & 4, 1 ♀ at 3.

*Halictus pectoratus* 1 ♀ on Primrose at 2.

15.5.32 cont. Co. NX.

Surflies:—

At 2 *Lysanota abietina* <sup>RCLB?</sup> ♂, beaten out of Spruce! Also ♂♀ *Dol. aeneus*!

At 3. *Pontania* <sup>RCLB?</sup> aff. 2 ♂♂, beaten out of Salix by rain.

*Hypocampa chrysorrhoea* <sup>RCLB?</sup> ♀♀ beaten off ~~the~~ ~~thorn~~ ~~from~~  
 road ~~down~~ & also? 2 on Cherry Blossom.

*Prisiphora* <sup>RCLB?</sup> ♂♂ 1 ♂, in slate quarry.  
 (seen, but not named by me in 1934!)

At 4. 1 *Dolichopus* ~~seen~~ ♀ on Primrose.

*Pieris* <sup>(100% ~~seen~~)</sup> ~~seen~~ ♀ beaten off at 4. *Orthocentrus* ~~seen~~ <sup>(beaten off of spruce)</sup>  
*Pieris* ♂♂ 1 ♂, 1 ♀, caught but escaped on ~~the~~ ~~thorn~~ at 4.

Several more of same place. 2.

Several at 3.

*Promethes laticarpus* 1 ♂ at 3.

*Pieris* ~~seen~~ <sup>beaten off</sup> ♀ on Primrose by railway at 4.

[On evening of 15/5/32 several *Doleri* ♂♂ & ♀♀ seen resting on grass  
 along edge of cliff at S. side of Duncannon strand, Co. WX. 7.30-9.0 P.M.  
*Dolerus aeneus* ♂♂ & ♀♀. *D. picipes* ♂ & ♀. *D. migrator* ♂.



16<sup>th</sup> May 1932. A beautiful day, warm & almost all sunny; some showers (?thunder) over the midlands; yet very few insects met with & in some places none to speak of. Most disappointing!

Left Duncannon, WX, at 10.30 A.M. & drove to Dublin via New Ross, Thomastown, Leighlin Bridge & Carlow. Stopped to collect (or investigate) at

1. Marsh just south of Dunbrody Abbey [nothing taken!] } Co. WX
2. Shore of estuary (on N. side) opposite Dunbrody Abbey & along boundary of Kilnashock Ho. estate. }
3. Glen of the Glodiagh River (S. slope of Brandon Hill), 4 miles SE. of Inistige, Co. KK. Here much nice ground for later in year.
4. Sandpit in field between road & river about <sup>1/2 mile</sup> S. of Inistige (M. Woodstock), Co. KK. [nothing taken here].
5. Also many stumps seen just south of same place!
5. Old quarry by road, near Legan, about 1 mile N. of Thomastown, Co. KK. Only species taken here was 1 ♀ *Halictus nitidiusculus* but very likely to produce more later in year.
6. Old sand pit in field, between road & railway, about 1 mile N. of Bennetts bridge, Co. KK. *Sphex* (small ♀) & small *Halictus* seen, but nothing taken here.

16/5/32 cont.

7. Railway at Maddochstown, at bridge 1/4 mile S. of junction, Co. KK, near here I took *Andrena fulva* in April 1928. Only species seen here were *Andrena albicans* ♂♂ & a few *Bombi*.

11.0 to 12.0 A.M. (16/5/32) Shore at Dunbrody Abbey, Co. WX (= station No. 2)

*Andrena nigroaenea*, very fresh ♂♂.

*G. ...*

*Halictus punctatissimus* ♀♀, (1 at gorse!)

*H. leucopus* 1 ♀.

*Nomada* 1 small ♂ (? *N. ruficornis* or *N. ...*)

*Pimpla turinellae* 1 ♂. Several other ich.

*Bombus lapidarius*  
*B. lucorum*  
*B. agrorum*  
*B. hortorum* ♀♀

[An ich & a *Lygus* ♀ in tub with an label may have been taken at Dunbrody & labelled!]

16/5/32 cont. Glen of the Glodiagh river, Co. Wick. = station No. 3!  
1.0 till 2.30 pm.

*Bombus lucorum*, *hortorum* & *agrorum* ♀♀.

*Andrena albicans* ♂♂.

*G. subopaca* ? fresh 1 ♂ flying over blue bells.



16/5/32 cont. Glen of Clochar river, cont., Co. KK.

*Nomada marshamella* ♂. *N. ruficornis* ♂. at Sycamore.

*Dolerus* 2 ♂♂ (1 *ruficornis*, 1 *marinus*).

*Mesoneura* <sup>✓ RCLP.</sup> *opulca* ♀, lit on alder or *Salix* bush in Glen.

*Tentaculum* *Opheod* ich at Sycamore 3 ♂♂.

Two other ichs. including 1 ♂ *Chloroceryle* & 1 ♂ *Chrysochloa*.

20th May 1932. A warm damp day: rain till 2.0 pm. but fine & a little sun later.

Devils Glen, Co. WI, 11.30 till 6.0 pm. with E.O.M.

*Bombus lucorum* ♀♀ & ? 1 ♂ seen at *Vaccinium*

*B. jonellus* ♀♀ at *Vaccinium*. *B. agrorum* a few ♀♀.

*Vespa rufa* & *syriaca* ♀♀ at *Vaccinium*.

[No other aculeates seen].

*Dolerus* *niger* ♂

*Rhyssalus* *anacardius* 1 upper lodge on *Syringium* *allium*  
*Lygocryptus* *talaricus* ♂, beating about lodge (? out of coneifer).

Many small species taken (in tube) sheltering under base of a beech tree just below the viewpoint of Waterfall, including 2 ♂♂ *Anten* 3, *Chrysomel* 1.

All on beech tree.  
2 ♂♂ *Rhyssalus indagator* Hal. [Orthotylus punctatus 2 ♂♂ and  
*Gasterocercus* *brachypterus* ♂ also seen and 3 ♂♂ 1 ♀, very  
like *leptocercus* and 1 ♂ *leptocercus* 1 ♂  
*Euphorus* *pallidipes* 1 ♂ *Rhyssalus* *anacardius* 1 ♂  
*Stenomacrus* *ventralis* ♀  
*Chalcid* or *Exochus* (1 ♂)  
*Anten* 1 ♂ 2 ♂♂

Many other ichs & braconids taken: —

*Enormus* ? with reddish abdomen. *Stenomacrus* *ventralis* ♀♀  
*Stenomacrus* *pallidipes* 1 ♂ 1 ♀

*Hemiteles* several ♂♂ at Sycamore leaves also fall.

*Promethes* *hognatus* 2 ♂♂ 1 ♂ *pallidipes* 1 ♂ *Bassus* *tricolor* 1 ♂

*Exochus* ? 1 ♂ with long antennae & yellow banded abdomen  
? seen taken



20/5/32 cont. Dents Glen, cont.

*Pimpla tumidula* ♂♂.

*Xylomya* ?? 100 in glen (compared) with Red headed lark.

*Plectiscus* ♂.

*Mesochorus* ♂.

Tryphonid with orange abdomen 1♂ & 1♀ (one of them on *Vaccinium* by the Z road).

*Mesochorus* 4000 flying over garden & near lawn  
hedge at 5.30 pm.

*Heptamelus* spp. several taken.

*Stilpnus* ♂.

*Cratichneumon* ♂♂ with reddish abdomen & blackish thorax, common.

*Aspilota* *lutea* ?? ♂♂ abundant.

*Proctos* *galligena* ♀, with segmented antennae.

*Phaenocarpa* *insignita* 1000. *Aspilota* ♂ 1♀.

22 May 1932. A dull, warm day, with shower after 2 pm. [Heavy rain in Dublin & over the hills!] No sun!

The Murrumbidgee, S. of Newcastle station C. W.I. 11.30 till 2 pm.

*Bombus lucorum*, *muscorum* (common), *lapidarius*, *agrorum*.

*B. desertorum* ♀♀ seen.

About half-a-dozen small wasps (? *Euclyptus*) & a dozen ichneumonids beaten off *Salix*, *Betula* &c in the marsh, but practically nothing seen flying.

*Orthocentrus radialis* ♀ on block of stone in station.

*Promethes* *inductor* 100 (carded).

22/5/32 cont. 3.0 till 5.0 pm. Roadside (lane) N. of Killough (leading to Arkford!), C. W.I. Showery!

*Bombus terrestris*, *lucorum*, *agrorum* & *lucorum* ♀♀

*Andrena jacobi* ♀♀ seen by Palmer.

Many small ichneumonids taken along hedges on sheltered side of road. *Brachipterus* ♀ & *Cryptus* = *Spilomyia* *lopi*.

*Stenomacrus* *retroflexus* ♀♀ St. P.

*Orthocentrus radialis* ♀, in water.



22/5/32 cont. Killougher Lane, WI cont.

*Homocidus pectoratorius* 10♂

*Rhyssalus circumscriptus*? 1♂, 4-3 jointed antennae.

*Agathis* ♀ on rattle in field. = *Cervinus glaucostris*?

*Rhyssalus indagator* 3♂♂ about beech.

*Daenusa*

*Euphorus pallidipes* 1♂

*Apariteles* sp? 2♂♂? more seen.

25th May 1932. A stormy day, mostly dull, with misty rain in hills.

Powerscourt demesne, Co. WI. 3.0 till 5.0 pm. top of right bank of river 1/4 mile below deer park gate: beating oak, alder, etc. Almost all taken at two large isolated oak trees in mid field & on alders near by.

*Bombus lucorum* & *agrorum* 4♀ seen.

*Andrena albicans* 1♀ seen burrowing.

*Nomada* *impunctata* 1 small dark ♂ beaten off oak.

*Anteon* *caesus*? 2♂♂, 4♀♀ beaten off alder. *Anteon* sp. 1♂ off alder on oak.

25/5/32 cont - Powerscourt dm. cont.

*Rematocerus lucidus* v. *AW.S.* 12/11/32  
~~*Alloea*~~ *extremus* 2 (♂ & ♀) beaten out of oak at roadside.

*Eupria* (*tridentatus*)? <sup>?? RCLP. - letter 4 27.1.33.</sup> beaten out of isolated oak.

*Pachypterus rapae* 2♀♀ " " "

*Dolichopus picipes* 1♀ " " "

*Phyllostoma vagans* ♀, <sup>✓ RCLP.</sup> beaten out of alder.

*Pimpla brevicornis* 1♀ beaten off oak.

*Monocentrus* sp? 1♂ beaten off oak.

*Aceratomus* sp? 2♂♂ " " = *Anisocentrus triangularis* Grav. (see J. J. Kermick, Sept. 1950!)

*Leucospis* sp? + *Orthocentrus* *reductus* 1♀ off oak.

*Sterocorus ventralis* 1♀ & 2♂♂, 2♀♀ of normal size.

all beaten off oak. *Homocidus pallipes*? 1♂ *Promethes cognatus* 2♂♂.  
3 small red "dirt" at oak!

*Sigalphus* sp? 1♂. *Apariteles* 1♂

*Euphorus picipes* ♂? <sup>antennae broken off</sup> *Phaenocarpa conspurcator* 1♀

*Aphidius flavipes* 1♀ very small.

*Oncophanes* *minutus* or *caesolatus* 1♀. = *longicornis* n. sp. miki <sup>AW.S. 3.3.1940.</sup>  
Same as ♀ from Travolta, SL. 2.8.1938, g.v.

26/5/32 evening. Sunny. *Thrinax macula* ♀ at same spot as last year!

*Diospilus olivaceus* ♂ on *Ellis's* *lactuca*. *Gyrinus* sp? with leaf!



27<sup>th</sup> May 1932. A dull mild day, no wind & practically no sun.

Pocomt deerpark, Co. VI. with E. O'Mahony.

11.0 AM till 5.30 pm.

Spent the day beating, chiefly oak. Worked up west slopes to the Mountain cliffs, over top of waterfall & down stream on right bank of river.

Bombus lucorum, Andrena albicans ♂♂, A. pectorata ♂  
 & Vespa sylvestris & vulgaris ♀♀ seen.

Anteon brachycomus? ♀♀. A cursor? 1910. 7/2

Most beaten off Hawthorn & Birch  
on top of the Nautila cliffs. alt. about 1,000 feet.

Fish Brained seen all day!

Colletes braconius 1♂. Sigalphus 1♀.

Rhago. circumscripta 2. Meloboris

Proton (H<sup>+</sup>)

*Schneoniidae* in great abundance, mostly beaten, but many also seen flying about the caks & some there captured.

Eucerus albitermus 1♂ beaten off oak below mountain cliff

Polymerization

27/5/32 cont.      Perversions der park cont.:

Red Globoid-like, aff. *Adiantum* - *Adiantum* *latifolium*, etc.

Acrostem sp. ? 200. Black, yellow mouth =  $\left\{ \begin{array}{l} \text{Anisactinion triangulatorius} \\ \text{Gode & J. Korsch, Sept. 1956!} \end{array} \right.$

Storing in

*Plectiscus* ? 1873

Homocidus pinophilus Lucas ♂. H. pallipes, 1 ♂. H. gl. several ♂♂.

Promethes cognatus ♂ 7 & ♀. P. pulchellus, 2 ♂♂.

*Orthocentrus aff.*

*Stenomacrus ventralis*: ♀♀ abundant. D. 46 mm.

*Pipilo tenuellus* & *eximius* not

*Phytolista* sp. ♀

*Senecio* 2 fl. short bracts



27/5/32 cont. Powerscourt deer park cont.

*Dolichopus rufipennis* var. ♂ & 3♀♀. *Dolichopus rufipennis* 1♀ & 2♂♂.

*Tenthredinella pennsylvanica* 1 black ♀.

*Pteronidea poecilosticta* ♀ by river 1/2 mile below fall! {var. with <sup>sternum</sup> partly black. <sup>RCLP.</sup>

*Trichocampus radiatus* ♀. *Hypocampus rutilicornis* 1♀. <sup>RCLP.</sup>

29th May 1932. A continuously wet day in Dublin.

1/2 in. for inland as Trim, Co. ME.; dull, warm & fine to the west of the place, with glimpses of sun in late afternoon. With Palmer.

Drove to Trim, ME., & collected for half an hour about the abbey at Newtown Bridge, below Trim.

The "jam" over the west tower spread inland & heavy rain came on at 12.30 noon. After lunch drove west through Athboy & into Co. Westmeath (= WH) to a desolate plantation (a garden) at Ballinlough Castle (N. of lake); then on to Delvin & back to

Trim & Dublin); S.E. of Delvin is crossed a great bog, by an old road, between Ballyhealy Ho. on N., & Bracklyn Ho. on S.; along this road in places is much native scrub & *Vaccinium*, where former plantations have been cut down. All taken at last place, where we spent a couple of hours, are labelled "Ballyhealy, WH".

Trim, Co. ME.; between the river & abbey above Newtown Bridge. Nov. 6th 12.30.

*Bombus agrorum* & *lapidarius* 9♀.

*Dolichopus rufipennis* ♀ with 2 wings (beaten off) on *Anthomyia* form.

*Tenthredinella* ♂

*hemiteles lucidus* ♀

*Hypocampus pectoralis* ♂ & 2♀♀ & *Dicranus sticticus* ♂, beaten off Lanthorn.

6 flies in. including

*Diaperomys* sp. 2♂♂ along edge wall.

Ballinlough estate, Co. WH. 1.30 till 2.0 pm.

*Bombus lucorum*, *agrorum* & *terrestris* 9♀.

*Nomada ruficornis* (Palmer)

*Salix* sp. (juvenc?) large specimen seen by Palmer on *Sycamore*.

*Tenthredinella ruficornis* 1♀ (Palmer). *T. lucida* 1♂.

*Dolichopus rufipennis*, very small ♂. Like those taken at Newtown, Co. WH.

Co. WH in May 1929 & 30.

P.T.O.



29.5.32 cont. Ballinacorney, Co. WH. cont.

*Pachynotus aductus* v. *conductus* ♀ & *Dixius testaceipes* ♀, one weft  
 & one taken on rose! both! <sup>✓ RCLP.</sup>  
*Pteronides* n. sp. from Denis' Glen, WI, "probably" R.C.L.P., 10♂ at Salix  
 = *P. fuscicornis* Benson (file P.B.B. 1934)!

*Promethes laticarpus* 3♂♂?; one of which is nearly all black! *P. cognatus* 9♂♂, 1♀.

*Homocidus pallipes* 3♂♂.

*Archidonta* 1♀

as *Stenomacrus* - *Dacnusa* 2♂♂, 2♀♀ *Euphorus pallidipes* 2♂♂.

29.5.32 cont. Scent on Ballyhealy bog, Co. WH.  
 3.30 to 4.30 pm.

*Bombus lucorum*, *terrestris*, *agrorum* ♀♀ } a *Vaccinium*  
*B. jonellus* ♀♀ *Psithyrus quadricolor* <sup>✓ AWS.</sup> 1♀. (Palmer).

*Andrena lapponica* 1♀ on *Vaccinium* (Palmer).

*Pamphilus hortorum* ? ♂ taken off birch.

*Tenthredella ferruginea* ♀

*Leucura rufidorsata* ? ♂♂ & ♀♀ abundant & 2 pairs on  
 esp. taken off birch.

*Hoplocampa alpina* <sup>✓ RCLP.</sup> 6♀♀ taken off flowers of rose.  
 (Benson's *ampurina*). New to Irish list!

29.5.32 cont. Ballyhealy bog, cont.

*Dolichopus aeneus* 1♂. *Empria klugi* 1 large ♀. ✓ RCLP.

*Pteronides myrmecophilus* ? ♀. *Rhyogaster ampurina* ♂ ✓ RCLP.

*Funaria pusilla* ? 1♀ taken off birch.

Also some larvae (sally) seen on birch, just well grown!

Only a few ich. taken: owing to freshening wind.

*Homocidus pallipes* ♀.

*Camptopogon* 2

*Stenomacrus* sp. ? 1♀

*Anteon brevis* ? 1♀. *A. sp.* ? 1♂.

Five spp. of *Stenomacrus* - 1 on *Brachypodium*.

*Metacoelus* (? *pulexicornis*). *Blacus ruficornis* ♀

*Oenone* 1 (3♂♂).

*Apanteles* ♂.

*Ephedrus ruficornis* ? 1 very small ♀.

This ♀ is quite perfectly  
 with one in *Brachypodium*  
 (in *Brachypodium* in  
 Gravelle coll., 1888-12)  
 supposed to be a  
 new named by  
 Gravelle & Gravelle to  
 Gravelle. Compared  
 by AWS. 26/10/37.

30th May 1930. A glorious sunny day!

*Homocidus* ♂♂ taken in garden, Harold's Cross Hill at 5.30 pm.

Also 10♂ of black-bodied form of *Homocidus*, *cinctus*, in garden on 16/32, 7♂ taken on 3/8/32.



1st June 1932. A perfect day in Dublin, but between  
 Luncrum and Greystone a jam covered the sun & there  
 was rain in spots during the afternoon.

Drove to Rocky Valley, Co. WI. arriving there at 2.45  
 & just after sun had been obscured. Saw the last  
 of the bees come home to bed; then drove on to foot  
 of the Glen of the Dorn, Co. WI. Here my van &  
 sheltered, & beat trees for half an hour.

Rocky Valley, WI.

*Andrena cineraria* fresh ♂♂ & 1 ♀. *A. picea* fresh ♀

*A. angustior* 1 ♀ seen coming home laden with yellow pollen.

*Halictus rubicundus*

*Pachymeris vagans* ♀ swept in marsh between roads.

*Stenopogon lineata* ♀ seen on bracken.

Glen of the Dorn, WI.

*Tenthredella lineata* very black ♀ beaten off beech.

*Thrinax macula* ♀ beaten. *Pteronidea myristicis* ? ♀ beaten.

*Phosphorophora tenax* ♂, beaten!

Very curious ♀ ich, near Luncrum, beaten off limb of road  
 below Baring's bridge; her raised face like the

*Orthocentrus* & very elongate abdominal segments.

*Stenomacrus* ? 2 spp.

1. cont.

off Luncrum?

off Glen of the Dorn.

at Luncrum.

off ? 1 ♀.

little run over  
 coast & W. wind

at top of Brough  
 and flat 1 mile

in. = 1. Just

da grove & walked

= 2. Drove

old road to Lough

4-30 till 5.30 = 3.

off *Salix cinerea* 100

fresh flowers at same  
 insects beaten off oak,

yellow  
 5.6.29



from Scott  
14th

*Smurphococcus*  
"S. No. 24. 27 m. 4.5.32"

♀ from no. 24. 1

with ♂ = collected

"Pan. m. . . . .  
Pup. 19.6.31 m. 11.5.32"

Red Mountain (next a Vantage ce)  
= collected.

"S. 24.6.32 from 6.32.11



✓ registered!

E. F. Bullock's captures  
from Killarney district, NK.

Returned 19.11.1932.

NB. In letter dated 3/12/32 Bullock states that the specimen labelled "Woodlawn" came from two weedy fields bordered by the R. Flusk some of which was used as a cricket & football ground, across which we now cut drains.

Bethylus fuscicornis 11 exx.

Myrmica ruginodis ♂ + ♀. Lasius niger ♂, ♀ + ♀♀. Ballent. Pit. ♂ dated 9.7.29.

Leptothorax acervorum. ♀ + ♀♀. "Guitane. 6.32", "At Derrycunihy. 7.31. Under stone".

✓ Andrena clarkella 2 ♂♂. "Killarney: willow" "7.3.29".

Nomada rufipes 1 ♂, 2 ♀♀. ♂ "Woodlawn. 8.29"; ♀♀ "Mangerton 22.9.32".

N. marshamella 1 ♂, 3 ♀♀. Sphexoides divinus 1 ♀.

✓ N. hillana 1 ♀. "Woodlawn. 6.29". Crabro peltarius 1 ♂, 3 ♀♀. "Woodlawn. 8.29".

Mellinus arvensis 2 ♂♂. Crabro caripon 3 ♂♂.

✓ Nomada obtusifrons 2 ♂♂, 3 ♀♀. "Woodlawn. 6.29".

Pemphredon lugubris 1 ♂. "K. 7.30". Nomada flavipunctata 2 ♀♀. "Woodlawn. 6.29" + "21.6.30".

Crabro chrysostomus 1 ♂. Myrmica melanocephala 1 ♂. "Woodlawn. 6.29".

Crabro vagus 1 ♀. "Woodlawn. 7.30". C. cetratus 1 ♀. "L. side, Killarney. 6.7.30".

Lindernius albilabris 1 ♂, 5 ♀♀. First Irish <sup>correct</sup> record. "Woodlawn, 30.6.30 (♂), and

"6.29", 23.6.29 (♀♀) 1 ♂ +

Odynerus rinctus 3 ♀♀. "Woodlawn 6.29" + "23.6.30".

Parasaloecus monilicornis 1 ♀. "Woodlawn. 6.29".



Halictus calceatus 1♀. H. albipes 1♂ 3♀♀. H. tumulorum 3♀♀.

Crabro quadrimaculatus 1♂. Andrena coctana 1♂, 4♀♀.

✓ Halictus villosulus 4♀♀ "Woodlawn 6.7.29."

✓ H. nitidiusculus 1♂, "Ballast-Pit. 13.8.30." ✓ H. leucopus 1♀. "Woodlawn 25.6.29."

✓ Andrena saundersella 2♀♀. ✓ A. rubropaca 2♀♀.

✓ A. minutula, 2-1 brood, 2♀♀. "Woodlawn. 6.29."

✓ A. marginata 1♂. "Woodlawn. 8.29."

Salix exaltatus 4♂♂, 1♀. Crabro palmipes (?) 1♀

✓ Crabro varius 4♂♂, 1♀.

Sphex affinis 1♂, 2♀♀.

---



List of species from Killarney district  
returned named to E. F. Bullock on 6/12/32.

Crabro dimidiatus, 5♂♂, 1♀. C. peltatus 1♂, 10♀♀, C. IV-maculatus <sup>3♂♂,</sup> 6♀♀,  
Nomada tillana, 2♀♀, Crabro vagus 1♂, C. chrysotomus 5♂♂, 3♀♀,  
Mellinus arvensis 4♂♂, Nomada marshamella ♂♂ & ♀♀,  
Crabro claviger 1♂, Nomada ruficornis 1♂, 2♀♀, N. flavoguttata 5♀♀,  
N. livida 2♀♀, N. obscuripes 3♀♀, Crabro carifrons 5♂♂,  
Hylaeus confusus 1♂, Crabro cetratus 1♀, Hylaeus minutus 1♂ <sup>"Gap of Dunloe 7.7.29"</sup>,  
Halictus rubicundus 2♂♂, Andrena sericea 1♂, A. coitana 1♂, 3♀♀,  
H. calceatus 1♂, 1♀, H. albipes 6♂♂, H. freygessneri 1♀,  
Nomada fabriciana 1♀, Halictus villorulus 1♀,  
H. leucopus 2♀♀, Andrena subopaca 1♀, Sphex danieli <sup>1♂,</sup> 6♀♀,  
Sph. affinis 3♀♀, Crabro tibialis 1♀, C. varius 5♂♂, 2♀♀,  
[Lindernia albilabris 1♀ kept.]





AN ROINN OIDEACHAIS  
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ÁRD-MHÚSAEUM NA h-ÉIREANN  
(National Museum of Ireland),

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SAORSTÁT ÉIREANN

BAILE ÁTHA CLIATH  
(Dublin).

12



144.

1<sup>st</sup> June 1932. A perfect day in Dublin, but between Duncrum and Greystone a jam covered the sun & there was rain in spots during the afternoon.

Drove to Rocky Valley, Co. WI. arriving there at 2.45 & just after sun had been obscured. Saw the last of the bees come home to bed; then drove on to foot of the Glen of the Down, Co. WI., where my van & sheltered, & beat trees for half an hour.

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*Tenthredella lineata* very black ♀ beaten off beech.

*Thrinax macula* ♀ beaten. *Pteronidea myioides*? ♀ beaten

*Phosphorodes tenebrosus* ♂, beaten!

Very curious ♀ ich. near Larchan, beaten off limb of road below Barrow bridge; has raised face like the

*Orthocentrus* & very elongate abdominal segments.

*Stenomacrus* ? 2 spp.

145.

i. 6. 32 cont. Glen of the Down, WI. cont.

*Homocidus flavigator* <sup>leptus</sup> (20.3.32) 1♀ beaten off Hawthorn?

*H. biguttata* 1♀, beaten off beech? off beech?

beetle - no other spp. of ich. with beaten off limbs or head.

*Promethes cognatus*, 1♀. *P. laticeps*? 1♀ var. with black mesonotum.

*Phaenocarpa* 4♀♀. ♂♂. — 1♀. sp.? 1♀.

Cryptid 1♀.

*Aspilota* 1♀ *Phaenocarpa*

*Proctosylla* 2 seen.

5<sup>th</sup> June 1932. A warm day but with little sun owing to a jam caused by E. wind along coast & W. wind over mountains.

Clara (vale of), Co. WI. Left car at top of Bonybrann woods & walked through oak wood to sand flat, 1 mile below Clara Bridge, 12 noon till 1.30 pm. = 1. Spent afternoon about sand flat, the Osmondia grove & walked back up to car, 1-30 till 4.0 pm = 2. Drove home & stopped for an hour. Drove old road to Lough crosses glen of "Ballybeg" brook, 4.30 till 5.30 = 3. At last station (3) most insects beaten off *Sabina cinerea* 100 yards above the road; a few off mt. ash flowers at same place. At station 1 & 2 most insects beaten off oak, or birch. T. T. O.











12<sup>th</sup> June 1932. A warm summer day at end of a good week, the 11<sup>th</sup> being absolutely perfect; but little sun in Glensmole owing to an accumulation of cloud due to conflicting S.W. & E. winds. With Palmer Slade Brook, Upper Glensmole, Co. DU.

11.30 till 5.0 pm. Before lunch collected mainly on left bank of river up to the 'forge' = 1; after lunch mainly on right bank in shelter of ditch at top of the cultivated area = 2.

*Bombus terrestris*, *gruellus* & *lapidarius* ♀♀, all seen. AM = 1  
PM = 2

*Pentapleura* sp. ♀♀ (Palmer).

*Andrena cephalina* ♀♀ frequent. *A. fucata* ♂♂.

*A. subopaca* ♀♀ at 'moraine'.

*Halictus fuscicornis* ♀♀ seen, up to the forge, on *Potentilla*.

*Sphecus* ? *hyalinus* ♀ taken by Palmer.

*Teuchocalla ferruginea* typical & black form common in forge.

*T. palliata* ♂♂ & ♀♀ seen.

*Pachyprotasis antisthenis* ♂♂ seen.

*Stenobothrus* (bright green ♀ beaten off leaf of *Salix*).

*Selandria furstbergensis* <sup>✓ RCLP.</sup> ♀ at 2.

*Empria immersa* <sup>✓ RCLP.</sup> ♂ & ♀ at 1, off *Salix*. *Empria exilis* <sup>✓ RCLP.</sup> ♂ at 1.

12/6/32 cont.

Slade Brook, DU. cont.

*Pristiphora pallidiventrus* <sup>✓ RCLP.</sup> ♂ at 2. *Pristiphora quereus* ♂ at 1.

*Pontania leucosticta* <sup>✓ RCLP.</sup> ♀ at 2, also a very large ♂ at 1. <sup>✓ RCLP.</sup>

? *Eucera saliceti* ♂ at 1, ♀ at 2 (? var. of this: see RCLP. in letter 27.1.33)

*Ichneumon* ♀ in forge at 1.

*Cratichneumon* ♂ ♂

*Pachyprotasis* ? black & red legs ♂ ? on right bank of forge, 11th June.

*Lucina* ? sp. ♂ seen. dated at 2; 28.7.1932.

*Tingitana* ♂ at 2. *Collyphus putipes* ♂ at 2.

*Euphranta* <sup>✓ RCLP.</sup> ♂ at 2. *Stenomacrus* ♂ ♂ at 1.

*Promethes cognatus* 10 ♂ at 2. *Homocidus pallipes* 10 ♂ at 1, 20 ♂ at 2. *H. pictus* ? 1 large ♂ at 1 with yellow on sides of scutellum.

*Orthocentrus* <sup>✓ RCLP.</sup> ♂ at 2.

Many *Orthocentrus* ♂♂ & ♀♀ at 1 & 2, also seen in ditch at 2.

also *Braconids*, all taken here & there, at 2.

*Dacnusa areolaris* ? 10 ♂ at 1. *Mesochorus* ♂ 20 ♂ at 2. *Bracon* sp. 10 ♂ at 2.

*Aspilota* sp. ♂.

*Chorebus* *candidatus* ♂ at 2.



15th June 1932. Still perfect summer weather.  
8.0 till 6.0 pm. Deerpark at Powerscourt, Co. WI.  
with J. H. Halbert.

Very disappointing! Not many insects about - caught  
numerous *Cratichneumon* round oaks, & c. Hardly any  
Hemiptera for Halbert. There were hundreds on  
29th May.

*Bombus lucorum* ♀♀, *B. hortorum* ♂♂ at pylone, *B. agrorum*  
*Andrena fucata* ♂♂. *Halictus pygmaeus* ♀♀ seen.

*Homocidus* seen (probably *ruficornis*).  
*Nysson spinosus* 100 by mill race near source.  
*Argemone* 100? *Salix* streamside? 100. *Tenthredo* red ♀.  
*Phaenocarpa* 100. *Phaenocarpa* 100. *Phaenocarpa* 100.

*Leucocera reticularis* 100 beaten out of Hawthorn flowers.  
*Pemphra maculata* 2 ♀♀ (not kept) *P. eximinator* 100.

*Phytodietus* 100. *Phytodietus* 100. *Phytodietus* 100.  
*Phytodietus* 100. *Phytodietus* 100. *Phytodietus* 100.

*Cataglyphis* 100.  
*Promethes sulcator* 100.

*Pemphra* 100.

1. *Phytodietus* 100. *Phytodietus* 100. *Phytodietus* 100.  
2. *Phytodietus* 100. *Phytodietus* 100. *Phytodietus* 100.

with E. wind; dull during  
& sunny from 3.30 onwards.  
from till 5.30 pm, with  
Loren & J. Roche, & E. O'Mahony.  
road before lunch (=1) & below  
camp & under Beech Fern

*Phytodietus* ♀♀ only seen; ♀♀ of *Phytodietus*  
road on way up to fall at 1.  
below road to 2.  
with last.

? associated with *A. leppowia*  
also about though not seen.

*Phytodietus* at 2.

2. *Empria klugi* ♂. *P. immensa* 2 ♀♀

*Eura* (probably *ulicis*) ♂ + ♀ letter, 27.1.33.

♀ at 2. *P. chitellata* ♀ at 1.

red & black ♀ at 1; there I  
saw ♀ "innocent", but missed it.

at 1, or better!

*Phytodietus* at 2.

To the Chief Clerk.

Please note and return this paper to me with your  
remarks, if any, and in the case of Loans or Gifts with  
the usual receipt or Thank form.

Chief Clerk and Second Officer.

Date

*Phytodietus* 100. *Phytodietus* 100. *Phytodietus* 100.



Kieffers talen  
 1. { Kent der Ant. 7. Gliedrig - Flucht  
 glas. Zell, Adern, schlang, Bein  
 an der Gelenken nach hinten: 11. Gliedrig  
 K. 5 Gliedrig

2. { Der 3. Glied der Ant. mehr als 2 mal  
 so lang wie der 4. = suboptimal  
 3. Glied nur 1 1/2 mal so lang wie  
 der 4. = normal

\*To \_\_\_\_\_

Please note and return this paper to me with your  
 remarks, if any, and in the case of Loans or Gifts with  
 the usual receipt or Thank form.

Chief Clerk and Second Officer.

Date \_\_\_\_\_

To the Chief Clerk.



P. 1. 0.

- Hedinoptera Kieffer

Plidotoma suboptera  
Walker

Morley Ent. 1932, p. 133

Walker. Ent. mag. 1835

II, 117.

Diapriid

Platymischus

dilatatus Walker

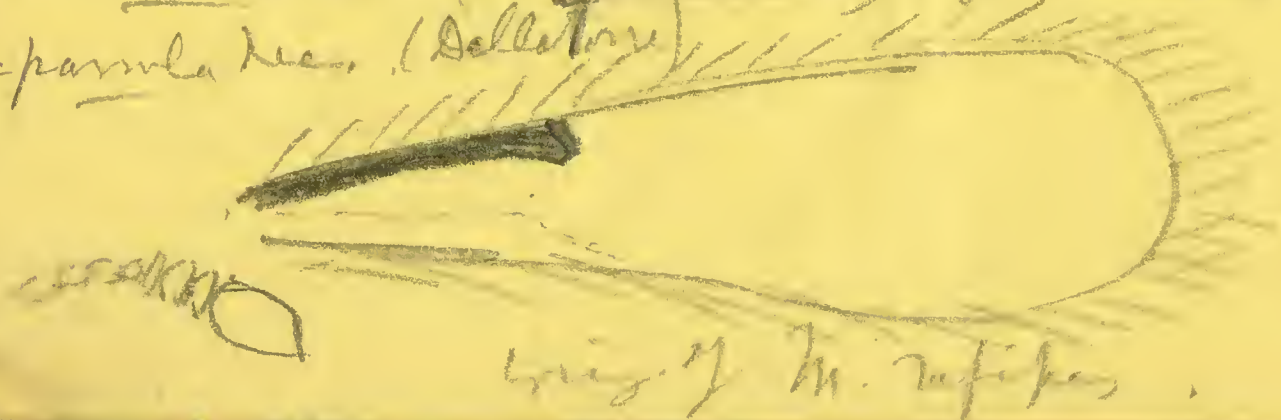
Kieffer says! -

Keule der Antenne 7. 4 gliedrig  
= dilatatus

" " 5glied. = proximal K.  
from Heligoland

Monelata (= Pilula) juvencula Wk.

? = parvula Des. (Dellatorre)



Wing of M. rufipes.



15<sup>th</sup> June 1932. Still perfect summer weather.  
8.0 till 6.0 pm. Deerpark at Powerscourt, Co. WI.  
with J. H. Halbert.

Very disappointing! Not many insects about - caught  
numerous *Cratichneumon* round oaks, & c. Hardly any  
Hemiptera for Halbert. There were hundreds on  
29<sup>th</sup> May.

*Bombus lucorum* ♀♀, *B. hortorum* 1 ♂ at pagoda, *B. agrorum*.  
*Andrena fucata* ♂♂. *Halictus pygmaeus* ♀♀ seen.

*Nomada* seen (probably *rupestris*).

*Tyrannus* *sp.* 1 ♂ by mill race near source.

*Argemone* 1 ♂? *Salix* *straminea*? 1 ♂. *Tenthredin* red ♀.

*Leucocera* *tenellus* 1 ♂

*Leucocera* *reticaria* 1 ♂ beaten out of Hawthorn flower.

*Pemphigus* *maculatus* 2 ♀♀ (not kept) *P. eximius* 1 ♂.

*Phytomyza* 1 ♂

*Empidonax* 1 ♂, 1 ♀, 1 ♂, 1 ♀

*Leptomyza* *curva*? 1 ♂

*Cataglyphis* *fulvipes* 1 ♂.

*Promethes* *sulcator* 1 ♂.

17<sup>th</sup> June 1932. A fine day with E. wind; dull during  
mid day but very hot & sunny from 3.30 onwards.  
Glenmaconnell, Co. WI. 12 noon till 5.30 pm, with  
Miss M. C. Kinsley, M. Buchanan & J. Roche, & F. O'Mahony.  
Collected above fall & by road before lunch (=1) & below  
fall, chiefly in *Salix* swamp & under Beech Fern  
cliffs, after lunch (=2).

*Bombus lucorum*, *terrestris* & *muscorum* ♀♀ only seen; ♂♂ of *terrestris*.

*Andrena lepponia* beside road on way up to fall at 1.

*A. subopaca* ♂ nesting on slope below road to 2.

*Nomada flavoguttata* 1 ♀ with ant.

*N. ruficornis* ♂ at 1? associated with *A. lepponia*  
as no doubt - *A. fucata* also about though not seen.

*Dolerus* *picipes* 1 ♂

*Tenthredella* *mesomela* & *linida* at 2.

*Selandria* *serena*? 1 ♂ at 2. *Empria* *blugii* ♂. *P. immensa* 2 ♀♀

*Pontania* at 2. *Eura* (probably *ulicis*) ♂ & ♀ letter, 27.1.33.

*Pachyneurina* *vagus* ♂ at 2. { *P. chitellata* ♂ at 1  
*P. ♂ of "anthracinus" group* } V.R.C.P.

*Tenthredonia* ♂. 1 red & black ♀ at 1; here I

also saw a toffee-coloured ♀ "*innocens*", but missed it.

*Pristiphora pallidiventris* ♂, at 1, on leather!

*Pontania leucosticta* 2 ♀♀, on *Salix* at 2.

*A. myra* *chitellata*, 1 red ♀, not kept. *Halictus* *albiventris*? 1 ♂ & 1 ♀



17/6/32 cont. Glenmacross, WI, cont.

*Cataglyphis fortis*

*Eurytoma cinetulus*? & other sawfly parasites of 2

*Glomeris* 10.

*Phyllocnistis* 10. *P. glomerata* small 10.

*Homocidus pallipes* 10. *H. stramineipes* 20. *H. biguttatus* 10. "var. 5" with yellow spine & abdominal segments. AWS. 23.3.33.

*Promethes caticarpus*? 10.

*Phyllocnistis* small 10. *Phyllocnistis* 10.

*Phyllocnistis* 10. *Phyllocnistis* 10.

*Phyllocnistis* 10. *Phyllocnistis* 10.

*Phyllocnistis* 10. *Phyllocnistis* 10.

19th June 1932. A fine sunny day, after a dull morning with strong E. wind. From J.P. Brunker & his friend Hudson to L. Ovel, via Mullingar, Co. WH. Spent some time in afternoon examining H.C. Leringer's famous "Scraw" bog of Loughanstown (See 1. Nat. vol. 3), where *Cyrtus retundipennis* is still abundant - amongst the clumps of *Sedum*: we did not see *Carex paradoxa*, though Brunker & Hudson did a good deal of "irishing"; *C. filiformis* in full flower & with *C. teretiuscula* forming "meadows". 12 noon till 1.0 pm.; & 3.0 till 4.0 pm. Worked railway & shore of L. Ovel, but chiefly the "int-down" wood above the railway NNE of Church Island.

19.6.32. cont. L. Ovel, WH, cont.

*Bombus lucorum* ♀♂ + ♀♀. *B. agrorum*, *muscorum* *lucorum* & *lapidarius* ♀♀. *Psithyrus campestris* 1 pale ♀ seen.

*Andrena gressalis* ♂♂ + ♀♀, little. in *Potentilla* in wood.

*A. subopaca* 2 10 in wood, very common.

*Halictus alpestris* ♀♀, usual seen. *H. leucopus* 1 ♀ seen.

*Cratichneumon tibialis* ♂♂ in great abundance in wood; the only common aculeate.

*Tenthredoopsis* 10.

*Tenthredo areolaris* ♂♂ + ♀♀ taken & George in field & railway; the first seen 1932! One ♀ kept.

*Tenthredella lineata* & *mesomela* abundant in fields & wood.

*Athalia* 1 seen, not taken: first 1932.

*Phaenocarpa*? 2 ♂♂ taken, ? on *Heckthorn* in fields.

*Ichneumon* 10, glossy red & black ♀.

*Cratichneumon* ♂♂ abundant in fields.

*Pimpla oculatoria* 1 ♀ on oak in wood. [NB. All oak in wood is *P. pedunculata*]

*Eurytoma cinetulus*? 10. *Exochus*? *Promethes pulchellus* ♂♂.

*Cataglyphis fortis* 10. *C. f. filiformis* 10.

*Tryphon* 10.

*Campoplegid* 10.







24/6/32 cont. Glencullen, WI. cont.

*Tenthredella temula* 1 seen & apparently overwintering on *Rubus*

*T. ferruginea*, typical & black form. ♂♂ & ♀♀. *T. lineata* ditto.

*T. mesomela*. ♂♂ & ♀♀.

*Blennocampa affinis* <sup>SRCP</sup> ♀, on bracken. New to Irish list!

*Selandria stramonifera* ♀?

*Pimpla* (*Delomeristis*) 4 ♂♂ on oak <sup>on</sup> vine flat.

*Ephialtes* *basimaculata* 1 ♀ on same oak.

Black Cryptid ♂, with black neck.

about 10 spp. of Tryphonid, (*Microplitis* & *Nesochorus*?)

*Calyptus tubicola*? ♂.

# DUNCANNON TRIP: JUNE - JULY 1932.

26<sup>th</sup> June 1932. A dull sun day, with W. wind.

Left Dublin at 11 AM & drove to Duncannon, via Arklow, Enniscorthy & New Ross. Stopped at

"channel", S. of Inch, WX, where collected <sup>one</sup> *Bracon* <sup>small</sup> *brachy*, then to railway above Ballyanne, N. of New Ross, WX

where collected ♂ & ♀ *athalia*; also stopped at Scarawalsh Bridge, N. of Enniscorthy. There colony of *Colletes* *montana*

on parapets of bridge in full swing, all open & fresh; visited road to ferry at Ballyhack, WX, & saw many tunnels of bees & 1 ♂ *Hyaleus* in fissure (ruined!).

Roadside, S. of Inch, WX. 1 p.m.

*Aphidius* ♂. *Chalcid* ♂. *Microplitis* ♂.

Scarawalsh Bridge, WI. 2 P.M.

*Colletes montana* ♂♂ abundant, some ♀♀, evidently collecting pollen on *Colt* *barnebyi*.

Ballyanne, WX. 3.30 - 4.0 pm.

*Athalia lineolata* <sup>1 ♂ & ♀ (✓ 5/3/32)</sup>. *Tenthredin* ♀. *Microplitis* ♂. *Chalcid* ♂.

*Bombus agrorum* ♀ seen. *Staphylin* ♀.

Ballyhack, WX. 5.0 - 5.30 pm.

*Hyaleus* sp. ♂ seen in fissure (like *H. confusus*!).

*Ichneumon* ♂.



27<sup>th</sup> June 1932. A warm day, mostly dull, but sun showing through now & then, especially in afternoon.

Slight drizzle at times in morning.

10 to 12 noon, very little sun. Bay, cliffs & roadside, S.W. of Baginbun Head, WX.

*Bombus lucorum* & *agrorum* about 2 or 3, very rare.

*Odynerus trimaculatus* 1♀, several seen. *O. pictus* seen.

*Pimpla maculator* ♂. *P. brimcomii* ♂ & 2♀♀.

*Aerocremus microstictus* ♀ on wild carrot.

*Disparis* ♂♂ & ♀.

Also 1♀ dead in "Backers Spit"!

*Bracon* <sup>antagonus?</sup> ♂♂ on wild carrot. *B. cf. ruficornis* ♀.

*Agathid* ♀ = *Agathis* sp?

*Daenusa* 2♂♂ = set place amongst mint &:

*Euphorus pallipes*?

*Bombus* for E.O.M. taken  
in grassy wood at  
high water mark!

*Teuthodopsis*

1 very dark ♀.

*Pachyrematus ruficornis* ♀, <sup>1 RELP.</sup> swept off dock on top of cliffs.

27. 6. 32 afternoon. 3.30 - 4.30. Coast between Arthursmoss & Ballyhack ferry, WX.

*Bombus agrorum* 1 on grass; *B. lucorum* ♀♀.

*Pythya lachrymans* ♀.

27. 6. 32 cont. Ballyhack, cont.

*Colletes* <sup>pauciflorus?</sup> 1♂ below cliff.

*Hyaleus hyalinatus* ♂♂ & ♀♀ abundant; - latter on *Hypochaeris*,

*Leontodon*, *panis*, *Rubus* &:

*Halictus albipes* 1♀ - *H. nitidiusculus* ♀♀.

*Sphex* *divinus* 1♀?

*Odynerus pictus* ♂ & *Chrysiprus* ♂ seen below cliff.

*Proctotrypes*

1 beetle under stone below high water mark! *Volucella* *hyalina*? ♂♂?

27. 6. 32 aft. cont. 4.45 till 6.0 pm.

Sand "dunes", at head of bay, Duncannon, Co. WX

*Bombus lucorum* 1♀, ♀♀.

*Andrena rufica* ♀, on *Sedum acre*.

*Halictus nitidiusculus* ♀♀ in lane (S. of bridge) to Rose.

*Pompilus plumbeus* ♂♂ & ♀♀.

*Glypta* *pauciflora*? ♂. *G. ruficornis*? ♀ (on grass below cliff).

*Glypta bicornis* v. *rostrata* ♂. All amongst *Rubus* & nettles &:

*Microgaster* ♀.

*Proctotrypes*.



28th June 1932. A dull day, very warm & close with NW wind in morning, but a "jam" with drizzle & chilly E. wind in afternoon. No run till we returned to Guncannon.

Drove to Hayward Bridge, 2 1/2 miles E. of Guncannon, NX & collected in road for half an hour. Then on to the Fort Mountain, saw soft swampy ground & had lunch. Finally to Ballyteige Burners, Kilmore.

Wood near Hayward Bridge, Guncannon, WX. 10.30-11.0 AM.

*Attholia cordata* 2070 (5/3/33) small black mites! = *Bleniocampa tenuicornis* ♀

*Remisia cataracta* 3♀♀ (1 on grass, 2 on rush heads)

*Neoleptis*

*Microlepis*

*Aphidius*

*Curion* Pentatypid with long stalked abdomen.

Fort Mt., near Wexford, WX. 12 noon till 1.30.

*Bombus agrorum* & *lucorum* ♀♀. *B. muscorum* 1♀ on *Erica tetralix*

*Andrena*? or *Andrena* legs

*Glypta ceratita*? ♂♂♀. *G. elongata*? 107♂ (1 red, 1 black)

28.6.32 cont. Fort Mt., WX, cont.

*Promethes pulchellus* ♀  
~~*Homocidus*~~

*Dacnusa*

*Bracon satanas* 1♀. *B. pumilus* 1♂.

Several *Dacnusa* & *Aphidius*

*Gyrinus* aff. *affinis*? *Pentatypus*

Ballyteige Burners, WX. 3.0 till 5.0 pm. No real sun, chilly wind

*Bombus lapidarius* 1♀ seen.

*Pompilus plumbeus* ♂♂ seen.

*Dicordylus putator*? ♀ (M.S.S.) in hollow next road.

*Pezomachus* ♂♂ abundant with last.

*Tetramonia caespitum*, only a few workers seen.

*Pezomachus* 1♀ in hollow.

*Pentatypus* of

*Staphylinus*

Several bugs collected in sand hollow, but no *cimicoides* seen.



29<sup>th</sup>

29th.  
~~28th~~ June 1932. A poor day after a brilliant <sup>early</sup> morning  
 & though no rain till 1 pm my little run after  
 breakfast & little out. Increasing rain & wind  
 after 3 pm.

11-30 till 12-30 noon. Alder-scrub by stream above  
New Bridge, about 4 miles E. of Dunsmuir, W. X.  
Bombus agrorum 1 ♀ on roadside; the only bumble  
seen all day

Andrena fucata ♂♂ in swamp & by roadside.

Paralocca unilicornis 2♀♀ on gate post E. of bridge

*Tenthrinella mesonota* & *lirida* common.

*Attalia lineolata* 107, 2♀♀ (v 5/3/33).

Platycampus luridiventris ♀ var. <sup>✓</sup> ORCLP. on grass in swamp.

Promethes ulcator 107. Prognatus ? 1 ♀.

Therese

Mesolius  
Glypta elongata 1 ♂ (not kept). (One black with a red '1')  
G. costatus ? ♂.

G. cristatus ? ♂.

29.

29.  
HB 6.32, cont. Ballyteige Burrows, Wx.

After 12-30 drove on to Park, west of Kilmer Quay,  
+ following lunch, walked across "The Bank of the Cull",  
the embankment which spans the estuary, on to the  
sandhills. Here spent 2 hours in dripping rain.  
Saw much good ground on both sides of estuary!  
Colletes montanus 2 or 3 clinging to flowers of spurge.

[no Bombi seen]

Ceropsala maculata ♂ in Spruce: (E. Parshin).

*Tetranorin cespitum* abundant.

*Pyrenica scabrinoti* on dunes, *M. laevinoti* on N. end of "Bank."

~~Handwritten signature~~

Aphantops } clinging to mossy grass (Saxifraga).  
Euphorbia perfoliata }  
Euphorbia ?

*Euphorbia* *Peruviana*

Emoly tree



30th June 1932. A fine sunny morning, after a heavy night's rain & gale; turning very wet again at 1 pm. with gale & rain in evening.

Ballyteige Bunnass, opposite Park, Co. UX. 11.0 till 1.0 pm.

Bombus muscorum 1 ♀ at Park (i.e. N.) end of the "bank"  
[no Bombi seen on the sandhills!].

Andrena sericea 1 ♀ examined & released.

Colletes montanum ♂♂, rare.

Hylaeus ♂♂ abundant on stony flats & 1 of those taken: -  
1 var H. minutus & 1 H. hyalinatus!

Halictus punctatissimus 1 ♀ taken in flower of Cal. Soldanelles  
on seaward slope of dunes. Very fresh!

Osmia aurulenta 2 ♀♀ seen.

Crabro variegata abundant.

Tachyphonus pectinipes a few only; 1 large ♀ taken.

Pompilus planiceps ♂♂ & ♀♀ abundant. P. jittus 1 ♂ taken  
Cerapachia maculatus common.

Odynerus trimaculatus 1 ♂ on seaward edge of dunes.

C. pictus ♂ seen at S. end of the "bank". } on "bank of  
Chrysis ignita abundant on wall, with the last. } the "bank"

Hedychridium ardens, several seen & one very large almost  
entirely green ♀ taken with the last on great flat.

Tetramorium caespitum, Myrmica scabrinodis & Lasius niger common.

30.6.32 cont. Ballyteige Bunnass, UX cont.

Allactes cineratus 1 ♀ on spurge.

Chelonus 5 taken: many seen

Coelinius 2 spp. ♂♂ taken. = Coelinius ♂ (Antennae taken) & Coelinius ♂ (Antennae taken) 2 ♂♂

Homocidus pulcher 1 ♀.

Bombus variegatus ♀ on Geranium at N. end of "bank";  
also several Cryptids with last in evening & a few other species  
during a clearance of rain about 2 pm (kept separate) including  
on Mercurialis ♂. All other ichneumonids taken in dunes.

Spilomyza small ♂.

Painted Lady & Red Admiral (small) butterflies seen in dunes.

1st July 1932 A day of heavy showers & bright intervals  
with a moderately fine afternoon & very hot sun.  
Drove to New Ross & down right bank of river to  
the camp above the road N of the Park Point, Co. KK  
where collected for nearly an hour between showers; then  
on to Glenmore, where temporary showers lasting nearly an hour,  
& on by desolate lanes to Linnethoge, passing west boundary  
of Woodstock demesne; next called at sandpit on left bank  
of R. Nore, just below Linnethoge, & at mile of road & mile



1st July cont. Litchbury, V, G. H. K.  
 Below Litchbury; finally found a couple of hours  
 near main road to New Ross across the glen of the  
 Clodiagh River (above bridge?). G. H. K. Very little out  
 all day.

Cliff above road, N. of the Pink Point, G. H. K. 11.30-12.30  
 noon.

*Bombus lucorum*

*Colletes montanum* 8 ♂♂ in *Leucodan* & *Chrysanthemum leucanthemum*

*Leucodan linearis* 10 at road.

*Praon degenerator* 7 (17)

*Aspilota ruficornis* 10 ♀♀

*Proctos* in *Leucodan* & *Chrysanthemum* (17 seen sp.).

*Tenthredella bimaculata* seen

*Stenomacrus* sp. 3 ♂♂, pale legs

Cliff, and pink point

1.7.32. Plantation belt, SE of Woodstock, G. H. K. 2 o'pm.

(not *Leucodan* & *Chrysanthemum*) 3 ♂♂ with extraordinary swollen antennae!

*Chrysanthemum* 14 in *Chrysanthemum* *leucanthemum*.

*Athalia lineolata* 1 ♀ (✓ 5/3/33).

1.7.32. Sand pit (=1) just below Litchbury; and site  
 of wood (=2) 1 mile below same place, G. H. K. 2.30-3.30  
 pm.

*Bombus lapidarius* 2 (or *terrestris*) 7 ♂♂ at 1.

*Colletes montanum* 2 ♀♀ in *Leucodan* *leucanthemum* at 1.

*Megachile* *albipennis* 1 ♂ at 1.

*Halictus leucopus* 1 ♀ at 1.

*Pompilus riparius* 1 ♂ seen at 2. *Chrysanthemum* 14 *leucanthemum* 19 at 1.

*Gorytus mystaceus* ♀ at 2, apparently "climbing" & dead stick like *Verpa*.

*Syrphoctonus* ♀ on stump at 1, near road.

*Loxura* *viridis* 1 ♀

*Chrysanthemum* *leucanthemum* 7 ♂♂ seen at 1, near road.

Small 7 seen.

Scarlet beetle, sig. of *Pterostichus* *relictus* at same place & G. H. K.

1.7.32. Glen of the Clodiagh River, SW slope of Broaden Hill,  
 G. H. K.

4.10 till 5.30 pm

*Bombus agrorum* & *lucorum* very rare.

*Andrena fucata* ♂♂.

*Gorytus mystaceus* 1 ♂.

*Tenthredella bimaculata* & *maculata* common.

*Proctos* *leucanthemum* 7 ♂♂. *Athalia lineolata* 1 ♂ (✓ 5/3/33).



1.7.32 cont - Glen of the Clochar River, KK, cont.

*Promethes cognatus*, 1♀.

*Myzine* ♀ swept in meadow above bridge - *Stenocranus* *cupreus*?

*Bombus fulvipes*? 1♂

*Sigalphus pallidipes* ♂

2<sup>nd</sup> July 1932. A fine day, cooler, but with almost a fall of wind from S.W. & no sun for 2 hours about midday.

Ballyteige, Barrow, opposite Park, Co. WX 11.30 - 8.0 pm.

Collecting very difficult owing to wind & not much out except *Psiphon planum*.

*Bombus lapidarius* 2♀♀ & 1♂ seen on sandhills.

*Andrena fucata* 1♀. Another ♀ seen may have been the same.

*Habitus* 1♀ seen probably *H. punctatissima*.

*Colletes montanum*? a few ♂♂ & ♀♀ on *Hebe*.

*Hylea trinitatis* 1♂ on *Hebe*.

*Asota stigma* 1♂ in hollow near S. end of the "Bank of the Ball".

& 2♀♀ about a mile west of this place.

*Tachyphya pictipes* only a few seen: 1 on *Hebe*.

*Psiphon planum* 1♀ with spider.

*planum* ♂♂ & ♀♀ - *Psiphon*: 1♀ with large spider.

2.7.32 Ballyteige Barrow, WX cont.

*Oxytelus unipennis* ♂♂ in meadow.

*O. argentatus* ♂♂ & ♀♀, a few seen, in hollows with *Antalis* ♀♀.

*Cyrtus mactali* common.

*Diandrylus* *tricolor*? 2♀♀ in hollow near "bank".

*Pezomachus* sp. 2♀ with spider.

*P. althamii*? 1♂ & 1♀ (same sp.) in down.

♂, very slender, trapped on sedge on cutting, stone, W. of the "bank".

♂ & ♀ with spider by fence in meadow.

*Myrmica ruginodis* abundant. *Lasius niger*, ♂♂ & ♀♀ seen.

*Tetraneura confusa* 5♂♀ frequent & 1♂ taken by George - afternoon in hollow near S. end of "bank".

*Myrmica* sp. *aliqua* ♀ (2♂♂ taken).

Sunday, 3<sup>rd</sup> July 1932. Rain & gale all day from S.



4th July 1932. A warm day with misty showers & very strong S.W. wind.

In morning drove via New Ross to the Pink Point, Co. WX

There on 1st July I had lost my permit lease: spent an hour along cliffs west of road looking in vain for it & collected 2 *Braconids* & 1 *Proctospid*, 1 *Chalcid* & 1 *Campoplegid* etc.

Then drove up Barrow valley for shelter:—

1.0 till 5.0 pm. Oak-woods just N. of Pollmounty Bridge, Co. WX.

*Bombus jonellus* a few ♀♀ seen.

*Prithyrus quadricolor* ♂♂ common in woods.

[No other aculeates seen here though some good rainbeasts!]—

*Centredella lineata* frequent. *T. prorspinus*, black ♀.

*Selandria morio* 7♂♂ & 1 ♀, all taken at oak in clearing.

*Tryphon* (P. *Emphytr*) ♂♂ abundant about house.

*Mesochorus* sp. ♂.

*Promethes scutellarius* 2♂♂, 1 ♀. *P. platycarpus* 7♂♂, 1 ♀ } more nearly typical than any I had previously examined! A.W.S. 27/3/33.

*Hemiteles* 2 ♀♀.

*Bombus lucorum* 1 ♀ at house on road.

*Stenobothrus* ? ♂.

4.7.32 cont. Pollmounty, WX cont.

*Braconids* & *Proctospid* etc.

[4.7.32, evening. *Colletes pusilligera* ♂ taken in garden, E. of village.]

5th July 1932 A fine day, spoiled by my strong & keen, SE-S wind. Considerable sun, sometimes dull though, & little flying. Sandhills, Ballyteige Barrows, Co. WX.

1 = dunes near Kilmore Quay.

2 = bank of the Lull & dunes at S. end of same.

*Bombus lapidarius* a few ♀♀ at 1 & 2.

*B. terrestris* 1 ♀ on *Ononis* at 1.

*B. agrorum* seen at 2.

*Andrena fucata* ♀♀ at 1 & 2 in dunes.

*Halictus* cf. *calceolus*? ♂ taken by road side at 2.

*Colletes montanum* ♂♂ in dunes at 1 & 2, & by roadside to 2. *C. pusilligera* 1 ♀ at 2.

*Hyleus minutus* ? ♂♂ seen at 1 & 2: ♂ & ♀ taken at 1.

*Compilobius gibbus* 1 ♀ at 2. *P. plumbeus* frequent at 1 & 2.

*Tachysphex pectinifer* only 2 or 3 seen.







9th July 1932. An opening hot day, with many clouds.  
Garden at 14 Clareville Rd., Harold's X, DU.

5.30 - 7.30 pm. mostly at White & Black Currant bushes.  
Currant Clearwing moth, 1. Gorseberry moth, 1, seen 1932

*Bombus castatorius* 1 ♀.

*Homocidus* 3 ♂♂.

*Stenomacrus* 3 ♂♂.

*Glypta curvipes* 1 ♂. *Pimpla maculator* 3 ♂♂.

2 ♀♀ *be-floppy*.

*Dacnusa areolaris* ♂♂ abundant in water house.

*Crabro varius* ♂♂ & ♀♀ abundant.

*Pemphredon shuckardi* 1

*Bombus terrestris* ♂♂ on Thyme in front of house (also seen on 8.7.32)

*B. lucorum* ♂♂ & ♀♀.

*B. agrorum* ♀♀ on *Erica cinerea* flowers.

*Pachyneurictes obductus* <sup>✓ RCLP.</sup> ♀ & *Pristiphora ruficornis* <sup>✓ RCLP.</sup> ♂ on White currant bush.

[*Megachile centuncularis* ♂ seen at 10 AM on following morning!]

10th July 1932. A fine day, very warm, but dull after mid day (mostly) & rain in late evening: wind S.W.  
Glen of Inaal, at Coan & Carnon, Co. WI.

11.30 till 2 pm. by the Little Slaney above ford of Coan = 1.

2-30 till 4 pm (no real sun) by the Big Slaney above ford at Carnon = 2.

*Bombus agrorum* ♀♀ common, faded ♀♀, a few. *B. lucorum* 1 ♂, 2 ♀♀.

*Andrena tarsata* 1 ♂ at 1.

*Verpa rufa* 1 ♀ seen at 2. *Crabro varius*? 1 seen at 1.

*Tenthredella linids* & *balteata* frequent at 1.

*Tenthredopsis* ♂♂ & red & black ♀♀ at 1; all near *Salix*.

" brown ♀ at 2, on *Salix*.

*Rhyssalus viridis* seen at 1.

*Stenomacrus delicatulus* seen at 1, frequent on ferns.

*Athalia lineolata* <sup>1 ♂ taken (5/3/33).</sup> common at 1, 1 ♂ taken.

*Pristiphora fulvipes* <sup>✓ RCLP.</sup> ♀ on *Salix* at 1. *Salix* at 1.

*Glypta curvipes* 1 ♀ at 1. *G. elongata* ♂♂ & ♀♀ abundant amongst rushes at 2: reddish!

*Homocidus crassicornis* (= *benicornis*) 1 ♀ at same bush as ♂♂ taken on 28.6.31, at 1. *H. pectoratorius* 1 ♀ with last, at 1.

*Bombus delictus* small ♂ at *Salix* near last, at 1.

*Erromenus* 2 ♂♂? at same bush, at 1, & *Homocidus*.

*Tryphonid* ♂♂ common by stream at 1.

*Campoplex* ♂♂ " by stream & *Salix* at 1.



10.7.32 cont. Glen of Inaal, Co. WI. cont.

[boon = 1; bama = 2.]

2 *Lucanella* + 1 *Episus*? ♀ at 1.

17th July 1932. A fine day, but very strong W. wind & some cloud: owing to wind & previous bad weather very little flying. [in Dublin & along coast, dull, with strong cold N.E. wind].

Drove to Monasteran, QCo. & then SW, where collected a few species in lane along E. of Glenmalur Ho. (=1); then along Mountmellick road to Woodbrook House where collected in sandpit N.E. of same (=2) & in scrub close to canal bridge (=3); this place is about 2½ miles S.W. of Portlaurington & near Emo Park.

*Bombus terrestris* ♂♂ & ♀♀ common at 2. *B. lucorum* ♂♂ & ♀♀ at 1 & 2.  
*B. hortorum* ♂ & ♀♀ at 2. *B. lapidarius* 1 fresh ♂ & many ♀♀ at 2.  
*B. derhamellus* 1 ♀ at 2 taken by George. *B. agrorum* ♀♀ at 1 & 2.

17/7/32 cont. N. Emo Park, S.C., QCo.

*Psithyrus distinctus* ♂♂ frequent - at 1 & 2.

*Andrena gurganensis* ♂♂ of 2 - 1 ♂ at 2.

*G. saundersella* ♀ 1 ♀ at 2.

*Halictus rubicundus* + *albipes* ♀♀ seen at 2.

*Homada fabriciana* 2 fresh ♂♂ at 2, with *A. gurganensis* 1 ♂ at 2.

*Colletes succincta* 1 ♂ on *Leontodon* at 2: very fresh & no more seen.

*Hybaeus minutus* ♀ 1 ♀, with black abdomen, on *Carduus lanceolatus* Horn.

*Odynerus nigratus* small ♀ at 3.

*Psenulus pallipes* 1 ♀ on birch at 3.

*Crabro varius*? ♂♂ at 3.

*C. capitatus*? ♀ 1 ♀ on birch at 3.

*Salix exaltatus* ♂♂ & ♀♀ at 2, common.

*Cerophala maculata* 1 small ♂ at 2.

*Myrmica rubicincta*, *L. niger* & *F. fusca* seen at 2.

*Allantus arcactis* at 1 & 2. *Atthalia lineolata* 1 ♀ on canth at 2.

*Pteronidea* or *Polyommatus* ♂ at 2.

*Tryphon elongatus*, ♂ & ♀, at 1 & 3. First seen 1932.

*Promethes laticarpus* 1 ♂, large & apparently typical!  
 V. AWS 23/7/32.



17/7/32 cont. Near Emo Park, Q.C. cont.

An extraordinary black & orange Braconid sitting on brick leaf taken at 3, = Proterops nigripennis Wesm.

Epimela marginalis 7 specimens, both sexes, taken on young oak in wood at Woodbrooke Ho. just west of old entrance gate & between gate & canal & beside the road & ditch. Apparently both species above are new to Ireland, as there is no ref. to either in the Atl. N.S. list of Irish insects!

18th July 1932. Evening! Garden at 14 Clareville Rd., DU.

Pimpla maculator ♂♂, Homocidus ornatus 2 ♂♂. Homocidus ? 1 ♂

Glypta with long, elongated wings.

Daenusa areolaris ♂♂ abundant at water house window  
Crabro varius common. Odynerus parietinus, fresh ♀ seen.

19th July 1932 Evening! Garden at 14 Clareville Rd., DU.

Crabro ~~clavipes~~ claripes 1 ♂ on B. current with C. varius!

Pimpla maculator ? 2 ♂♂ with pale stigma. Homocidus ornatus 1 ♀

Glypta cratites 1 ♀.

Daenusa areolaris 1 ♀.

20th July 1932. A warm day, but showery & little sun.

Drove to Glencassara & from top of fall ascended to cliff of Thorelgey, above L. Ouler, Co. WI. M.C.K. & M.B. with us. Swept two specimens, one each, of two species of Apanteles on slope S. of fall at about 1200 & 1300 ft. respectively. No other hymenoptera seen all day & vegetation too wet to sweep in latter part of the day.

22nd July 1932. Evening! Garden at 14 Clareville Rd., DU.

Pimpla maculator 1 ♂. Phytodietus 1 ♀.

Perithous diminator 1 ♀ on white currant.

Homocidus ornatus 1 ♂

24th July 1932. Mainly dull, very windy & showers frequent!

Fine & sunny in afternoon!! Spent 3 hours

10.0 AM till 1.0 PM. at extreme end of North Bull, Co. DU. Rev. J. N. Halbert took a single Psen unicolor on 7/8/1898. I saw very good ground for aculeates, but lack of sun & bad wind made the capture of Psen out of the question. With E.O.M.

Bombus muscorum ♂♂ & ♀♀. B. lapidarius ♀♀.

B. lucorum ♂♂ & ♀♀. B. terrestris ♂♂ & (? ♀♀).

one ♂ terrestris has complete tawny tail like a ♀ (no white!)  
[No B. agrorum seen!]



24/7/32 cont. N. Bull, Ill. cont.

*Colletes picistigma* 2 old ♂♂, 1 fresh ♀ on *Hypochaeris*.

*Crabro rasmali* common in spurge, etc.

*Bethylus pusio* 3 shaken out of *Prunella* roots by E.O.H.

*Cryptus viduatorius* ♀♀ on Wild carrot.

*Bracon anthracinus*? 1 ♂ on *Camphor* & *Staphylococcus*.

*Sigalphus caudatus* 1 ♀ on *Carrot*.

" *flavipes*? 1 ♀ on *Carrot*.

*Apanteles* 2 ♂♂ of 2 spp. one with *luteus* wings & *minutus* <sup>antennae</sup> <sub>marked</sub>.

24.7.32 evening. Garden at 14 Clarinell Rd. Ill.

*Chasmodon unceps* 1 ♂ flying round top of large White Carrot bush.

*Pimpla maculator* ♂♂ common. *P. brevicornis*? 1 ♂.

*Glypta ceratites*? ♂ & ♀♀.

*Bracon anthracinus*? one of ♀ with 27 joints - antennae.

25<sup>th</sup> July 1932. A windy day, with frequent showers in "skiffs" of rain, sun, good sun-bursts.

Down with Dr. L. B. & Mr. Smyth & Miss Baileman to Ballinacorney bridge, near Moate, Co. WH. to inspect section of bog & drainage, excavated by the U.S. architect Dr. O'Neill-Hencken. Stopped by streamside at Horse Leap & collected on both sides of boundary stream, WH & KC, (= 1); then drove on to Ballinacorney, WH (= 2); on return journey stopped at moorland S. of road at Newborough, Co. WH. for an hour (= 3). most from 1 station - all 4 spp. not labelled unless certain of sp. etc.

*Bombus lucorum* ♂♂ & ♀♀ at 1, 2 & 3. *B. hortorum* ♂♂ at 1.

*B. agrorum* ♀♀ at 1, 2 & 3. *B. muscorum* 1 ♀ at 2.

*Psithyrus versicolor* ♂♂ on *Knopweed* at 3.

*P. distinctus*? ♂ on *Angelica* at 2.

*Vespa sylvestris* ♀♀ (? ♂♂) abundant on *Angelica* in marsh at 2.

*Tenthredo "arenaria"* on *Primrose* at 1, 2 & 3.

*Athalia lutea* on *Angelica* at 2.

*Pteronidea* *myrtilis*? ♂♂ at 1. *Selandria flavipes*, ♂♂ at 1.

*Leucospis pallens* 1 ♂ at 1. *Glypta minutus*? 1 ♂ at 1.

*Stylomyia pterigaster* 2 ♂♂ at 1. *Alucida* *lucida*? ♂ at 1.



25th July 1932. Co. WH. & KC. cont.

Promethes dorsalis 1 ♀ at 1.

Pygostola laticornis 1 ♀ at 3. Rhyssalus irregularis 1 ♂ at 3. Chrysomelids 1 ♂ at 3. Chrysomelids 1 ♂ at 3. Chrysomelids 1 ♂ at 3.

27th July 1932. Very stormy, W-NW, very warm & considerable very hot sun. 2.30 - 4.0 pm.

Bellmore, Delgany, Co. WI.

Bombus lucorum, agrorum, muscorum, hortorum seen.

Verpa myristicaria seen, on Heracleum.

Andrena coitana & denticulata 1 ♂ each.

Salix exaltata common. Crabro vagus ♀♀ at stump.

Pompilus nigerrimus 1 ♀ on stump, seen.

No other aculeate seen!

Tenthredo inermis only rarely seen.

Sphiala sp. large ♀ seen at stump, but flown away before.

Lissonota cylindrator ♂ seen to pounce on ♀ on nettle & copulation follows instantly: both captured.

27. 7. 32, cont. Bellmore; WI cont.

Apanteles fulvipes 2 ♀♀ on Heracleum.

28th July 1932. A calm warm day & air full of insects.

Inside top of tram I saw many hymenoptera including

Myrmica, but dare not catch more than one or two

which were near me — even then kept under observation

by yellow passengers! Also many small hymenoptera in

garden of 14 Clareville Rd, DU., in evening, including

Chalcid 1 ♂ clinging to leaf of Carex acutiflora!

Dacnusa 1 ♂ abundant at currant bushes.

Bombus lucorum ♀ in water tower.

Homocidus tarsatorius ♀ of the true species at Thalictrum minus (from Co. Clare).



28.7.32, evening, cont. Dublin cont.

One of the ...  
 Dark ...  
 Rest in ...

29<sup>th</sup> July 1932, evening. Garden, 14 Clareville Rd., DU.

Macrocampa ♀, on White Currant. Here the  
 currant-bleeding moth taken several years; seen repeatedly  
 to stab cut end of stem with ovipositor.

Bassus lactatorius ♀. Homocidus flavolineator ♂.

Apanteles emarginator near 219.

Trichocampus radiatus ♀ & RCLP.

31<sup>st</sup> July 1932. 10 AM. Garden, 14 Clareville Rd., DU.

Hemiteles ... ♀ on White currant bush.

31<sup>st</sup> July 1932. Very warm, strong W. wind, thunder  
 in afternoon, heavy shower to N. but only skiff with  
 us. 11.30 AM till 4.30 pm.

Meeting of the Waters, Arvoca, Co. WI.

1 = taken morning on left bank of Arvoca & above the  
 Castle Howard bridge.

2 = taken in afternoon: some on railway & some on  
Angelica beside railway on right bank of river  
 above said bridge.

3 = taken in aft. on left bank of river above said bridge  
 & below next - above our river. Insects from 2 & 3  
 not separated!

(i.e. on left bank below 2 - mostly on right  
 above Castle Howard gate.)

Bombus lucorum ♂♂ & ♀♀. B. lapidarius ♀♀.

B. agrorum ♀♀. B. muscorum ♂♂ & ♀♀ on Erica cinerea ♂.

Psithyrus distinctus ♂♂ seen.

Andrena humilis, only a few burrows seen in path on  
 left bank of river & main colony apparently over.

A. coitana 2♀♀ seen, one on Knautia. A. tarsata 1♀ seen  
 on Potentilla after.

Halictus rubicundus ♂♂ at 2.

Homocidus obtusifrons 1♂ at 1.

Vespa austriaca ♂♂ common at 2, on Angelica.

Salix notata 1 large ♂ on broken log river bank at 1.

S. exaltatus ♂ & ♀ seen at 3.

cont.



31.7.32 cont. Meeting of the Waters, WI, cont.

*Odynerus ruficornis* 1 ♂ on *Angelica* at 2.

*Crabro varius* ♂♂ + ♀♀ at 1 + 3. *C. capitatus* ♂♂ + ♀♀ on oak at 1 + 3.

*C. aphidum* 2 ♀♀ on oak at N. end of <sup>rock</sup> bluff near castle.

Howard gate (overhanging bend in river above railway bridge) at 3; taken at 4 pm. after sun had gone in!

One given to Palmer!

*C. canifemur*, *chrysostomus* + *vagus* ♂♂ common in *Angelica* at 2.

*C. clausus* ♀♀ at 1 + 3, on oak.

*Formica fusca* ♂♂ seen at 2.

*Argyresthia ustulata* ♀ ~~seen~~ on *Angelica* at 2.

*Pentapleura pall. var. denudata* <sup>✓ RECP.</sup> ♀, at wall below Hazel bush beside bridge. There have been none under railway at 2.

*Athalia* many seen on *Angelica* at 2.

*Stenopogon lineatus* ♀ at 1.

*Tenthredo pubescens*? 1 ♀ at 1; many seen at 2.

*Pimpla rufipes* 1 ♀ at 1.

*Glypta nigrothoraciterata* 1 ♀ at 2. *G. costalis* ♂ at 2 + 3.

*G. eranesum* 1 ♂ at 1.

*Callidula hectoria* 1 ♀ at 1, on rock bluff.

31.7.32 cont. Meeting of the Waters, WI, cont.

*Schizotoma capitata* (?) 1 ♀ at oak at 3.

*Baryscapus varius* 1 ♀ at 3. *B. tricolor* 1 ♀ at 3.

*Hypomacrus quadricornatus* 1 ♀ at 3, on oak with *C. aphidum*.

*Amphytelus pallidus*? 2 ♂♂ at 3.

*Ichneumon* large, oval, 3, small on ♂♂ at 1.

*Pezomachus fasciatus* 2 ♀♀ on oak at 3.

*Microgaster*? 1 ♀, at 3, on oak by river at 1.

*Cryptus* 1 ♂ at 1. *Stelidota* at 3 + 2.

*Lygus* 1 ♂ at 3.

*Daenusa straminea*? 1 ♀ at 1. *Opius* 1 ♂ at 1.

*Apanteles* 1 ♀ at 2 + 3. *C.* small, at 3, at 2.



190.

2<sup>nd</sup> August 1932. A dull evening! Garden, 14 Clareville Rd., Du.

*Pimpla elegans* 1 ♀ at red currant. *P. examinator*? ♀ with last.

*P. maculata* 1 ♂ (not with). *Chalcid* 1 ♂.

*Homocidus pallipes* 2 ♂♂.

*Agropyron* 1 ♂.

*Chalcid* 1 ♂.

*Chalcid* 1 ♂.

*Bracon anthracinus* 1 ♂. *Pentapleura* 1 ♂.

3<sup>rd</sup> August 1932, afternoon. Very warm, sunny, windy!

Garden at Mayfield, 14 Clareville Rd., Du.

*Vespa germanica* ♀♀. *Odynerus parietinus* 1 very large ♀ seen.

*Crabro varium* ♂♂ + ♀♀. *C. claviger* 1 ♀ seen.

*Bombus terrestris* 1 fresh ♀ seen. *B. agrorum* ♀♀.

*Blacus pectoratorius* 1 ♂. *Phaenocarpa lucida* 1 ♀.

*Bracon* great with dark streak on wings!

*Pimpla maculata* ♂ & ♀. *P. examinator*? 1 ♂.

*Bracon* *truncatus* 1 very small ♂.

*Homocidus* ~~various~~ <sup>*H. cinctus*, black form, 20/3/32.</sup> 1 ♀. *H. fuscicornis* 1 ♀.

See of height & body shape.

*Agropyron* 1 ♂.

*Bracon anthracinus* 4 ♀♀ in white currant bush next wall of street.

*Apanteles glomeratus* ♂♂ abundant. *Dacnusa stramineipes*? ♀.

*Chalcid* 1 ♂.

191.

4<sup>th</sup> August 1932, evening. Very warm, sunny, windy.

Garden at 14 Clareville Rd., Du.

*Halictus calceatus* 1 ♂ on *Sedum* sp. in back garden.

*Phylidictis* 1 ♀. *Promethes cognatus* 1 ♀.

*Bracon anthracinus* 1 ♀ with 27 jointed antennae. *Apanteles* 1 ♀ long antennae.

5<sup>th</sup> August 1932, evening. Warm & windy, some sun.

Garden at 14 Clareville Rd., Du.

*Odynerus parietinus* ♀ discovered to be nesting between sheeting & rafters of motor house roof & using the V joint of sheeting as a tunnel. *Pristiphora ruficornis* ♀ ✓ seen.

*Homocidus* 1 ♂ & 1 ♀. *H. flavolineatus* 1 ♂. *H. pallipes* 3 ♂♂, 1 ♀. *H. pulcher* 1 ♂, dark ant.

*Promethes pulchellus* 1 ♀. *Pimpla maculata* 1 ♂. *Chalcid* 1 ♂.

*Bracon* 1 ♂. *Chalcid* 1 ♂.

*Apanteles* 1 ♂ & 1 ♀. *Chalcid* 1 ♂.

*Chalcid* 1 ♂. *Chalcid* 1 ♂.

7<sup>th</sup> August 1932, evening. Warm, dull, no wind.

Garden at 14 Clareville Rd., Du.

*Bracon anthracinus* ♂♂ & ♀♀. *Apanteles* 1 ♂. *Chalcid* 1 ♂.

*Bracon* *truncatus* 1 ♀. *Chalcid* 1 ♂. *Chalcid* 1 ♂.

*Promethes cognatus* 1 ♂, 1 ♀. *Homocidus cinctus* 1 dark ♂. *H.* 1 ♂.

*Pimpla* *terrestris*? 1 small ♀. *Stilpnus* *pygmaeus*? 1 ♂.

*Nemeritis*? 1 ♀. *Homocidus* 1 ♂. *Chalcid* 1 ♂.

*Chalcid* 1 ♂.



192.

7th August 1932. Dull till 1 p.m., then much  
hot sun, warm, strong westerly breeze.

11.30 AM. till 4.0 PM. Deputy's Pass, Co. WI.

All collected on NE. side of the pass from gate to  
glen & around old garden.

*Bombus lucorum* ♂♂, ♀♀, & old ♀♀ seen with pollen.

*B. hortorum* ♂♂ & ♀♀. *B. jonellus* ♀♀ on Wood Sage.

*B. agrorum* ♀♀ abundant.

*Orthocentrus distinctus* & *barbatellus* ♂♂ abundant.

*O. campestris* 1 dark ♂.

*Andrena crinita* ♀♀ common on Knapweed, Ragwort,

*Rubus* ♂.

*Halictus rubicundus* 1 fresh ♀, no ♂♂ seen.

*H. albipes* ♂♂ & 1 ♀ seen.

*Homada obtusifrons* 1 very fresh ♀.

*Crabro vagus* ♂♂ seen at stumps in garden.

*C. varius* or *palmipes* 1 ♀, not kept.

*C. claripes* 1 large ♀.

*Vespa rufa* ♀

*Formica fusca* ♂♂ & winged ♀♀. *Psocoptera* *agrorum* 1 ♀.

*Myrmica* *agrorum* 1 ♂.

*Formica arsectator*, large ♀ at stump bred by *C. vagus*

*Athalia* sp. seen.

*Timothus "armatus"* seen.

193.

7.8.32. Deputy's Pass, WI, cont.

*Dyspeter prorepagator* ♂. *Tryphon brachycaanthus* ♂♂ & ♀

*Mesoleius*

♂ & about 40 off of *Mesoleius* on *Tryphon*

*fructum* on oak. *Homocidus pallipes* 1 ♂.

*Campoplex* large yellow & black ♀. *C. v. dentata* ♂♂ & ♀. *C. v. dentata* ♂♂ & ♀. *C. v. dentata* ♂♂ & ♀.

*Pimpla maculator* large ♀♀. *P. v. dentata* ♂♂ & ♀. *C. v. dentata* ♂♂ & ♀.

*Glypta evanescens* ♂♂ common, ♀. *G. v. dentata* ♂♂ & ♀.

*Schizopyga atra* ♂. *Phytodietus* ♂. *Phytodietus* ♂.

*Camponotus* ♂♂ & ♀♀ of the species.

*Amphytelus palliatorius* ♂♂. *Argasidius* ♂♂ & ♀.

*Ichneumon* sp. ♂♂ & ♀.

*Mesochorus* *punctatus* ♂. *Mesochorus* ♂.

*Plectiscus* *luteus* ♂. *Stelisma* *repens* ♂.

*Blacus* *luteus* ♀ with large pale ocellus.

*Meteorus* sp. *villosus* ♂♂ & ♀. *M. v. villosus* ♂.



194.

7th. Aug. 1932 cont. afternoon.

4.30 - 5.30 pm. "Donkey Quarry", Killough, Co. WI.

*Bombus lucorum* & *agrorum* only seen.

*Vespa vulgaris* seen.

*Halieta leucopus* 1 ♀ seen.

1st ♀ seen!  
Brown Butcher!  
(Killough) seen!

*Stenomacrus*

♀

*Hemiteles*?

♂

*Daenusa areolaris*

♀

*Phaenocarpa* 1 ♂

Swept & swept in  
field at bottom of  
channel.

7.8.32. Taken by M.D.S. on shore at old  
Killough Station, The Narrows, Co. WI.

*Hemiteles*?

1 ♀

One Chalcid & ? on *Proctotrupes*

195.

Bundoran Trip August 1932.

9th August 1932. Very warm, S. wind, sunny  
in places. Left Dublin at 10 AM &  
drove to Bundoran, ED, arriving at 6 PM.  
Stopped 12.30 till 1.30 by roadside, saw about 2  
miles west of Edgeworthstown, Co. LF, & again  
3.30 till 4.45 at Markree Castle, Co. SL.

Roadside, 2 miles west of Edgeworthstown, LF.

*Bombus lapidarius* ♂♂ & ♀♀. *B. lucorum* ♀♀.

*B. hortorum* several ♂♂. *B. agrorum* ♀♀. All on *Knapweed*.

*Vespa vulgaris* ♀♀.

About a dozen ichs, &c., swept along marshy field  
drain: — very poor ground!

*Aphaereta* 1 ♀. *Allantia calceolaria* 1 ♂.

*Lissonota bellula* ♀. *Pimpla humilis* ♀. *Tryphon elongatum* ♀.

*Proctotrupes* 1 ♂. *P. cognatus* 1 ♀.

*Homocidus* 1 ♂.

*Pezomachus* ♀.

*Rhyssalus irregularis* ♀. *Apanteles*

*Daenusa areolaris* ♂.

*Proctotrupes*

1 Chalcid.

1 *Cynipid*.



196.

9.8.32 cont. Marshy wood (most trees cut down)

NE. of road, near Markree Castle, SL.

*Bombus agrorum* & *lucorum* ♂♂ - *Vespa vulgaris* ♀.

Many ichs &amp; Braconids caught in swept amongst

*Iris*, & c. Open*Pentapleura pumilio* *Aspilota*

2♀♀

*Rhyssalus irregularis* ♀.*Anagaster* sp. ♂? (cf. *reticulatus* Mord.)*Pachyramphus rufus* 2♀♀ (larvae?)*Chalcid* & *Tenthredo* off near. *Salix* *salix* ♀*Ichneumon* *superior* ? ♀ on *Iris*.*Exochus* *superior* ♂♂ & ♀♀*Stelidota* sp. ♀*Ichneumon* ♂ & ♀*Promethes cognatus* 2♂♂. *P. sulcator* 1♂, 1♀. ♂ & ♀. *Homocidus bigonarius* 1♂.[Slipped. *Stelidota* sp. taken - note - Sligo 9.8.32.]

9.8.32, evening. Cont at west side of bay, Bundoran, ED.

*Pteronidea parida* ? ♂♂ & ♀♀ taken with finger off a*Salix* bush at the harbour. There many young larvae.*Pontania* galls on *Salix* in dozens, looking

like green berries. There they had been avoided by the

*Pteronidea* larvae of spring brood of same species.which were taken in same *Salix*.*Pontania* ♀ on *Salix* also East

mostly rain from hills (SE) at 7 P.M.

197.

10th August 1932. Very warm, damp &amp; windy weather.

11.30 till 12.45 noon. Sand dunes &amp; dry stream

bed at Finner, E. of Bundoran, C.E.D.

*Bombus agrorum* ♂♂. *B. lucorum* 1♂ seen.*B. lucorum* ♂♂. *B. lapidarius* ♂♂, very small.*Mellinus arvensis* ♂♂ abundant on thistle.Several small ichs, including 2♀♀ *Pezomachus* taken indunes; the rest with *Mellinus* on thistle & stream bed.*Oxytelus stewarti* 2♀♀. *Bracon fulvipes* 1♀.*Rhyssalus irregularis* ? ♀*Exochus* ♂ & ♀*Stenocranus* red ♂*Ichneumon* *bellator* ♂ & ♀



198.

11th August 1932. Very warm, damp & dull, after a very wet night, some sun in afternoon, followed by terrific thunder storm from 7 PM till 10 PM.

Ants (*Myrmica ruginodis* & *M. rubricincta* swarming!)

11 AM till 1 PM. Dune & cliff s' at Finnis, E. of Bundoran, E.D.

Add - *Bombus derhamellus* 1 fresh ♂.

*Pompilus fitchii* 1 large ♀ on thistle. *Pteronidea myrtilidis* 2 ♀♀

*Athalia* & *Tenthredo* spp. *Pristiphora pallidiventris* ♀ var. *var. rclp.* common but not taken.

*Mellinus arvensis* & *Crabro* <sup>*palmipes* ♂ & ♀</sup> ~~var.~~, latter at "quarry" on Cliftport.

*Stenobothrus marginatus* 2 ♀♀ *Pezomachus* black ♂ *Ichneumon* - *Calator* 2 ♂♂

*Stenobothrus* ♂ ♂ *Pteronidea* ♂ *Phyllocolpa* 3 ♀♀

*Stenobothrus* ♂ ♂

*Stenobothrus* small ♀ with long white. *Chorebus* red ♀. *Promethes laticarpus* 1 ♂ *P. cognatus* 1 ♂, 1 ♀. *Zootropus inferscitus* 1 ♀.

*Promethes* ♂ *Chorebus stricklandi* ♂ *Ichneumon* ♀

*Oxygaster obscurator* 1 ♀

*Pteronidea* 2 ♀♀ *Chelid*

11.8.32, afternoon. Drove to Bunduff Strand, Co. SL.

Collected for a few minutes in plantation at Castlepal Ho.

(=1) then to dunes NE. of Bunduff Lough (=2)

& on to outlet of Bunduff Lough (=3) & Mullagh more (=4).

*Bombus lucorum*, *terrestris*, *agrorum* & *lapidarius* common.

*B. hortorum* ♂ & ♀ at 1 & 2. *B. jonellus* ♂♂ & ♀♀ at 1.

*B. derhamellus* 1 ♂ at 2.

199.

11/8/32 cont. Bunduff, Co. SL. cont.

*Pteronidea campestris* 1 fresh ♂, v. *var. ruiellus*.

*Pompilus fitchii* 1 ♂ examined. *Stenobothrus delicatulus* ♂♂, common at 1.

*Athalia* ♂♂ & ♀♀ in sand in fields at 2. & on *Angelica* at 3.

*Homocidus flavolineatus* 2 ♂♂ at [Cliftport (Co. Bunduff)] [not taken]

*Apanteles proctor* 1 ♀, fine head! & v. *var. ruiellus*!

*Sigalphus caudatus*? ♀ in corn at 2. *Diaparsa stricklandi* ♂ at 2?

12th August 1932, morning. 11.0 till 1.0 PM. Very dull, cooler, almost raining, W. wind.

Sand dune s' near cliff, Finnis, Bundoran, Co. ED.

*Ichneumon* ♂ along cliff: all others taken on thistles

*C. arvensis* by dried up stream bed 1/4 mile from cliff, there is a s' in amazing numbers.

*Mellinus arvensis* ♂♂ & ♀♀ common.

*Pteronidea myrtilidis* 2 ♀♀ <sup>1 ♀ v. *var. rclp.*</sup> *myrtilidis* 2 ♀♀

*Ichneumon* ♂

*Stilpnus* *pappi* 2 ♂♂ *Leptocryptus* 2 ♂♂

*Pezomachus* of small ♂ ♂ *Ichneumon* 1 ♂ *P. f.* 3 ♀♀



12.8.32 cont. Finer, Co. ED. cont.

*Pemph. eximius* 10? *P. brevis* stage 7. *P. debilis* 10? 19? *Phytodietus* 3? *Leucost. 2* of *corollae* pup.  
*Chrysom.* 3? *Leucost.* 3?

*Homocidus pulcher* 200, 297. *H. obscurus* 10?

*Promethes sulcator* 1?

*Phy. circumscripta* 1? *Chrysom.* 1?

13th August 1932. Very warm, mainly dull, misty rain in forenoon, afternoon fine, heavy thunder & rain at 5-30 - 6-30 pm.

11-30 till 1.0 pm. Coast just north of Bundrose, S. of Bundoran, Co. ED.

A few *Braconids* & some ichs collected amongst boulders & *Potentilla anserina* just above high water mark

The Diptera *Phytodietus debilis* <sup>Holtz</sup> abundant in boulders & near by 1600, 12 taken  
*Attractodes leucostictus* 12

13/8/32 cont. Coast at Bundrose, ED. cont.

*Homocidus nigritus* 1? *Pemph.* 1? small of *pub. debilis*, 1? taken

The

*Sigalphus caudatus* 7 taken - grips of small *aphid.* & *aphid.* 1? taken!

*Pentapleura pumilio* 2? *Aspilota* 1?

*Aphidius* 1? *Aspilota* 1? small.

[*Metacoelus* 1? taken in garden at Bundrose, ED. 10-11]

13.8.32. Castlegar wood, Co. SL, see next page →

13.8.32. afternoon. 3.30 till 5.30. Coast at N. end of Bunduff Strand, Co. SL.

*Braconids* & ichs collected either on surface of large pool above ord. high water mark, or on coast or west on cliffs behind same, just N. of rock bluff at N. end of strand.

*Sigalphus caudatus* 2? *Pentapleura pumilio* 10? 3? *Aspilota* 1?

*Opius* 1? *Coelinius* small 1? *Promethes sulcator* 1?

*Stenomacrus* 1? small 1? with exerted *larva*. *Homocidus bigonatus* 1? black 1?

*Exochus* 1? *Pezomachus fasciatus* 1?

*Henitela* 2? 2?

*Ichneumon* small 1? Small 1? caud., *tortuosa* abd. 1? (10-11)



13.8.32 cont. Bunduff cont. [G.S.L.]

13.8.32 aft. 3.0 till 3.30 pm.

Plantain at Bartgal, Co. Sh. as on 11.8.32.

*Crabro styria* on oak 2♂♂ + 2♀♀, very fresh.

*Homocidus* ~~*leptellus*~~ (2♂♂) on same tree as on 11.8.32.

♂ & ♀ *Cryptus* with slender petiole to abdomen, pink apex taken separately on oak with *Crabro*.

= *Leptocryptus* *areolaris* (G. var.)

14<sup>th</sup> August 1932 Dull - morning, very damp, but no slight rain, afternoon fine but no sun till 5.0 PM.

11.30 - 1.0 PM. Collected in Alder scrub, etc. at SW end of Bunduff Lough, Co. Sh. Some small species taken on *Angelica* only sweeping.

*Bombus lucorum*, *lapidarius*, *terrestris* + *agrorum* 2♂♂ on 22.

*Pachynematus* *displanatus* ♂, swept.

*Ichneumon* *leucostictus*? ♂. *Phaenocarpa* *peruviana*? ♂. ♂ off 22.

14/8/32 cont. Bunduff L., cont. *G. areolaris*?  
*Glypta* *areolaris*? 2♀♀ *G. nigrobrachialis*, large ♀  
*Glypta* *lucorum* 2♀♀ + ♂♂. *P. areolaris* 10♂♂.

*Homocidus* *pallipes* 10♂♂.

*Mesochorus*.

*Promethes* *sulcator* 10♂♂. *P. pulchellus* 2♂♂, 1♀.

*Taphrus* *elongatus* ♂. *Stenomacrus* *lucorum* 2♂♂.

*Chelonus* sp. ♂. *secutor* *Mantell* 2♂♂.

*Mesochorus* *marginatus* 10♂♂.

*Taphrus* *areolaris* ♂?

*Bombus* *agrorum* ♂.

*Ichneumon* *leucostictus* ♂, ant. 29! A.N.S. 1954.

14.8.32 cont. Afternoon 3.0 till 5.30 PM. Drive via Ballinacorney to coast at Drumchany, Co. ED, & collected on edge of marsh behind dunes; amongst *Callitriche*, *Bog Myrtle* & *Salix* spp. Some small species taken on *Angelica* only sweeping.

*Bombus* *lucorum*, *lapidarius*, *terrestris* + *agrorum* 2♂♂ on 22.

*Ichneumon* *displanatus* 10♂♂.

*Verpa* *nigra* abundant on *Salix*. *Verpa* *nigra* 1♀ seen.

*Athalia* & *Forthred* spp. seen.



4/8/32 cont. Coast at Dromocherry, F.D. cont.

*Ichneumon* or *Exochus* *variegatus* 1♀

*Tryphon* 1♀ & small off. 1♂

*Pimpla* *humilis* 1♂ & 1♀. *P. tumida* 1♀. *P. variator* 1♂

*Homocidus pulcher* 1♀. *Promethes laticarpus* 1 dark ♂. *P. cognatus* 1♂, 1♀.

*Bracon variator* 1♂.

*Exochus* *humilis* 1♂.

*Gnathochorisis (Perisphinctus) sulphuratus* 1.

*Dacnusa* 1♀. *Tryphon* 1♂.

*Oncophanes* 2 ♀♀ on the bank side of the river, about 100 yds.

*Bracon fulvipes* 2♂♂ & 1♀; common on edge of marsh behind dunes & amongst *Salix* bushes.

*Coelinius flavipes* 1♂. *Bracon episcopus* 1♀.

*Chorebus notigaster* 1♀. *Phaenocarpa* sp. 1♀. *Chorebus* 1♂. *Chorebus* 1♂.

*Aspilota* 2 off. *Dacnusa* *capitata* 1♀. 2 large ♂♂.

*Phaenocarpa irregularis* 1♀.

15th August 1932. Very warm, misty & dull; only occasional glimpses of sun. In morning drove to N. end of Bunduff Strand, Co. SL., where collected along cliff top & in fallow field behind full of carrot, & (turnip & potatoes at inland end of same). Very many hymenoptera out. In late afternoon drove to head of Glenade Lough, Co. LE., where collected for an hour.

11.30 till 1.0 P.M. Coast & fields at N. end of Bunduff Strand Co. SL.

*Aspilota* *distans* 2♂♂. *Aspilota* *fulvipes* 1♂ & 1♀.

*Bracon sticticus* 1♀. *B.* sp. near *anthracinus*, with long terebra & 25-30 joints in ant. 2♂♂.

*B. praecox* 1♂. *B. fulvipes* 1♂. *Microplitis*

*Ichneumon* 1 small ♀.

*Exochus* 1♀.

*Stenomacrus* 1♀ & small ♀ near same.

*Attractodes* *terrestris* 1♂. *Hamilitus* 1♂.

*Limnobia* *basalis* 1♂. *Pimpla* *humilis* 1♂ & 1♀.

*Promethes cognatus* 2♂♂. *Homocidus pulcher* 1♂, dark var.

*Tryphon* 2 off. Small black, winged, *Microplitis*?

*Metopius* *microstomus* 1♀. Red & *Tryphon*.



Bunduff strand, Co. SL., cont. 15.8.32 morning cont.

*Salix rostellata* 1 ♀ on strand - field also cliffs.

*Pompilus gilvipes* 3.

*Chrysis ignita* 1.

*Pterocera ruficornis* ? small ♀.

*Ametastegia glabrata* 1 ♂.

[To small *Psithyrus* & *Andrena* - *Andrena*, *Andrena*, Co. SL. 15.8.32]

15/8/32 afternoon. 4.30 till 5.30 P.M.

S. end of Glencade Lough, Co. LE., near outlet of lake!

*Bombus lucorum* & *agrorum* only seen.

*Verba rufa* & *vulgaris* ♀♀. A *rufa* ♂ taken has only a small black dot on face instead of the usual "anchor" mark.

*Salix exaltata* very large ♀.

*Crabro chrysotomus* 1 ♀ on Angelica. *Athalia* {*cordata* 1 ♀, *lineolata* 1 ♂} 5/3/32.

*Andrena* *pratensis* ? 1 ♂ of yellow ♂ *Andrena* ? 1 ♀

*Euphranta* 3 long tarsi, on leg. *Andrena* ♀.

*Glypta* (*canaliculata*) 1 ♂. *Andrena* 3 red ♀♀.

*Promethes pulchellus* 1 ♀ 1 ♂.

*Promethes fulvipes* 1 ♀. *Aspilota* *rupestris* 1 ♀. *Microgaster* 1 ♀.

*Psithyrus* 1.

16th August 1932. Warm, dull & misty, with W. wind & a few glimpses of sun.

11.30 till 1.0. Fields above cliffs at N. end of Bunduff Strand, Co. SL., as before. Mostly no wild carrot flowers!

*Bombus lucorum*, *hortorum* ♀♀, *muscorum*, *agrorum* & *deschamellae* 1 ♂. *Psithyrus barbutellus* 1, probably ♂.

*Meloboris arvensis* ♂♂ & ♀.

*Nympha ruficornis* & *N. scabrioris* only ants seen.

*Selandria serra* 1 ♀ & two other spp. of *Selandria* on carrot.

*Psithyrus* *canaliculatus* ? 1 ♂. {one = *Psithyrus obductus* ♀ - RCLP. the other = " *obductus* ? var. ♀ or might possibly be a much marked ♀ of *diaphana*. See RCLP! latter dated 27.1.33.

*Lissonota basalis* ♂ & ♀. *L. bellator* abundant.

*Glypta bifrons* ? ♂ & ♀♀. possibly ♂ & ♀♀ - *Glypta* *canaliculata* var. *canaliculata* ♂ & ♀♀.

*Pimpla* *canaliculata* ? 1 ♂. *Phytodietus* 1 ♀.

*Andrena* 1 ♂. *Andrena* *bellator* 1 ♂ & ♀.

*Phytodietus* *dimidiatus* 1 ♂.

*Promethes pulchellus* 1 ♂ & ♀. *Promethes* *canaliculatus* 1 ♂ & ♀.

*Promethes* *anthracinus* var. ? 1 ♀. *Promethes* *deschamellae* ? 1 ♀.

*Pentapleura pumilio* 2 ♀♀. *Microgaster* *corpulenta* 1 ♂.

*Opis* ? 1 ♀. *Aphidius* 1 ♀, very small.



16<sup>th</sup> Aug. 1932 afternoon. Drom to L. Eske, N. of Dromgal  
town & collected a few insects on shore at east side of  
outlet of lake: very few insects except Diptera.

W. side of outlet = 1; E. side = 2.

*Bombus lucorum* at 1 & 2, ♂♂ & ♀♀. *B. agrorum* ditto,

*B. muscorum* usual ♀♀ at 2 on Calluna.

*B. jonellus*, fresh ♀ on Calluna at 2.

*Psithyrus distinctus* ♂♂ at 1 & 2.

*Vespa ruficornis* & *hyalinicornis* ♀ at 2

*Aleuticus freyensis* 1 ♀ on Calluna at 2

~~*Fulica*~~ *fulica* ♀ = *Salandria morio* ♀ at 1. <sup>REL P.</sup> *Centropus* sp. *Atalapha* seen at 1

*Proctos* at 1 - 180!

*Bombus* sp. ♀ at 2.

2 Ich. on *Angelica* at 1.

[*Proctos* like *Proctos* but not *Proctos*, *Bombus* = 2 at 1 & 2]

[Took ♀ *Polychaeta nanum* on under of house! ♀ in Bundoran, ED]

17<sup>th</sup> Aug. 1932. After a very wet night, warm, misty rain,  
mainly dull, some sun in forenoon; afternoon drier, cooler  
& quite dull.

11.30 till 1.0 PM. N. end of Bunduff Strand, Co. Sl.,  
as before.

*Bombus derhamellus* ♀♀, & fresh ♀♀ seen in fields above  
cliff, as well as 1 ♂.

*Psithyrus campestris* 1 fresh ♂ of dark var.

17.8.32 cont. Bunduff, Sl., cont. *Psithyrus*

*Mellinus arvensis* ♂♂ & ♀♀ abundant on sea slope of dune, on  
Calluna.

*Stylomyia* ♂♂. *Stylomyia* with long tubes for legs on  
Calluna.

*Psithyrus* *proserpinus* 1 ♂.

*Bombus variegatus* 1 several ♂♂ on Calluna leaves on sea slope.

*Homocidus obscuripes* 1 ♂.

*Pimpla* *barbata* ♂. *Phaenocarpa* 2.

*Mesochorus*

*Aspilota* *distans* 1 ♂.

*Psithyrus* all dark wings.

17.8.32 afternoon. Stranded Point & dunes, Co. Sl.

*Bombus lucorum* ♂♂ & ♀♀. the only species of *Bombus* seen.

*Psithyrus* *barbata* ♂. <sup>Barbata tellus? AWS. 11/1/33</sup> fresh ♂.

*Mellinus arvensis* common in dunes.

*Pompilus gilvus* 1 ♀. *P. plumbeus* ♂ seen, ♀ taken in dunes.

*Leucospis* ♀ on thistle by road.

*Hymenoptera* *myrmica* nests very common.

Collected some beetles by shaking seaweed & under stones in dunes;

also three very small *Hymenoptera* shaken out of seaweed on shore.

= 3 ♂♂ of *Medonoptera suboptera* Walker (= *Knipper*!) see Walker

Ent. Mag. 1835, II, 117, also May in Entomologist, 1932, p. 133.

[Took *Proctos* on surface of rock just at Bundoran, ED.]

2 *Proctos* under  
cliff 16.8.32



18th August 1932. Warm, dull, fine, after rain in night. No real sun all day!

Coast N. of Bunduff Strand, Co. SL., as before.

Collected some ich. &c. in corn &c. in fields above cliffs & then walk along coast for half a mile to fully filled with boulders, where took nine (all or) ichs, resembling a *Hemiteles*, with red central segments to abdomen: at same place were myriads of a minute brachypterous *Proctotrypa*.

*Gynipids* (*Hedimoptera subcapitata* Haliday) ♂ & ♀: cop. in corn (see p. 221/222).

*Gynipids* also reported to 2000, 12.

*Stilpnus opacatus* 2 ♂♂. *Leucospiza* 2 ♂♂.

3 cons. *Hemiteles*? 1 ♂, 2 ♀♀ (2000, 12).

*Lissonota bellator* 1 ♂, 2 ♀♀ taken. *L. bursata* 1 ♀ taken. *L. subcapitata* 1 ♀ taken.

*Glypta micromator* 1 ♀ taken. *Pimpla bursaria*? 1 ♀ taken.

*Promethes cognatus* 2 ♂♂. *P. pulchellus* 1 ♂. *P. variator* 1 ♂.

*Tryphon elongatus* 1 ♂ taken. *Dacnusa*? 1.

*Promethes fulvipes* 1 ♀.

*Pachynematus diaphanus* 1 ♂ - ✓ RCLB. *P. aductus* 2 ♀♀ - ✓ RCLB.

18/8/32 afternoon. 3.0 till 5.30 PM.

S. edge of plantation (Alder, *Salix* spp., birch, &c.) on sand flat behind *Trawalua* dunes, below Bliffony, Co. SL.

*Bombus lucorum*, including young queen; *B. jonellus* 1 ♂ seen.

*B. lapidarius*, *desamellus* ♂, *agrorum* & *muscorum* full ♀.

*Mellinus arvensis* in plantation & on dunes.

*Crabro palmipes* ♂ & ♀♀ on alder leaves.

*Pompilus jikko* ♀♀ in dunes.

*Cerapachia maculatus* 1 ♂ on *Angelica* outside plantation.

*Pygmaea nigroscutellata* & *Fornicia fusca* on alder, &c.

*Tenthredo* & *Atelchia* spp. seen.

*Phyllotoma vagans* 2 ♀♀ (✓ RCLB.) on alder. 2 ♀♀.

*Pimpla bursaria* ♀♀. *P. exanimator* ♂.

*Lissonota bellator* abundant. *Phytodietus* 1 ♂.

*Glypta nigrothoracata*? ♀♀ on *angelica*. *G. micromator* 1 ♀ taken.

*Lissonota* ♂ & ♀, latter on *Salix*.

*Promethes*? small sp. with yll. head on alder?

*Promethes cognatus* 2 ♂♂. *P. pulchellus* 1 ♀. *Promethes bellator* 1 ♂ on alder.

*Promethes* 2 ♂♂. *Promethes* 1 ♂ on alder.

*Promethes* 1 ♂ on alder.



18.8.32 afternoon cont. Travolta, Co. SL. cont.

*Chrysomelidae* abundant, mostly *Chrysomelidae* *Chrysomelidae* *Chrysomelidae*  
*Staphylinidae* *Chrysomelidae* *Chrysomelidae*

*Heterogaster* *Chrysomelidae* *Chrysomelidae*  
*Microcentrum marginator* ♂ & ♀ (examined) on *Angelica*.

See also note under 13/8/32  
 AHS 21/4/1932

19th August 1932. A very fine day, mostly sunny, N.W. breeze, very warm in shelter. [? Some labelled 19 9 32 by mistake - see below! AHS]

11.30 till 1.0 PM. Field behind dunes, at N. end of Bunduff Strand, Co. SL. Most taken by sweeping, wet ditch full of *Equisetum*, *Hippurus* & ?

*Pompilus pithus* ♀ seen in dunes. *Teuchocampa areolaris* ♂ & ♀ taken.

*Bombus lucorum* ♂ & ♀ taken in dunes.

{ 2 specimens of *B. lucorum* taken from Bunduff Str. on 19.8.32. One labelled 19 9 32, the other 19 8 32. Both should have been labelled 19 8 32 but have been changed to the date 19 9 32.

*Microgaster* ♀. *Bombus lucorum* ♀. *Chrysomelidae* ♂ & ♀

*Chrysomelidae* ♂ & ♀

19.8.32 Bunduff, SL. cont.

*Chrysomelidae* ♀. *Chrysomelidae* *Chrysomelidae* *Chrysomelidae*  
*Chrysomelidae* ♂ & ♀. *Chrysomelidae* ♂ & ♀  
*Bombus lucorum* ♂ & ♀ (19.8.32), 1 ♀. *Promethes sulcator* 1 ♀. *Chrysomelidae* ♂ & ♀  
*Hemiteles* ♂ & ♀ (19.8.32) *Chrysomelidae*

19.8.1932 afternoon. 3.30 till 5.30 PM.

Drove through Kinelough & along S. side of L. Melvin to Rosinver (at head of Cougl); collected in glen about a mile E. of Buckode school (=1) & again in swampy ground about 1/2 mile S.W. of "border" between N. Ireland & I. F. State where old disused road was on hill (=2). All Co. LE.

*Bombus lucorum*, *Bombus lucorum*, *Bombus lucorum* & *Bombus lucorum* seen

*B. lucorum* 1 ♀ almost certainly seen on Calluna at 2.

*Verpa rufa* & *Verpa rufa* ♂ & ♀ at Calluna & ♂ at 2.

*Mellinus annuus* at 2.

*Crabro tibiale* 1 ♂ at 1.

Almost all with a hatched, taken at 1. *Chrysomelidae* *Chrysomelidae* *Chrysomelidae*

*Chrysomelidae* ♂ & ♀. *Chrysomelidae* ♂ & ♀. *Chrysomelidae* ♂ & ♀.

*Chrysomelidae* ♂ & ♀, reddish abd. on 19.8.32 = ? *Chrysomelidae* *Chrysomelidae* *Chrysomelidae*

*Chrysomelidae* ♂ & ♀, *Chrysomelidae* ♂ & ♀, *Chrysomelidae* ♂ & ♀.

*Chrysomelidae* ♂ & ♀

*Chrysomelidae* ♂ & ♀, *Chrysomelidae* ♂ & ♀, *Chrysomelidae* ♂ & ♀.







Knatter!

22.8.32 cont. Oak wood, S. of Bely Mt., G. E.D.

Athalia & Tenthredo spp. seen.  
(cordata 107 (v. 5/3/33.)Leimona bellator abundant: 2 ♀♀ taken L. cylindricator 1 ♀.Ligynota~~Brachymeria~~ 113

of which 1 ♀ ill. about Tenthredo

Dyspiter praerogator ♂. Near leaf.GlomerisIchneumon ♂Phaenocarpa

2 ♀♀

Brachymeria fulvipes ♀ In concentration near Phaenocarpa ♀Proctotrupes ♂ & ♀ in sp. on Rhododendron leaf.

22.8.32 afternoon 3 PM.

Plantation at Bartegat, G. S.L. (for ten minutes!)

Crabro styrii 1 on same oak as before.Leptocryptus areolaris 1 ♀Eubadizon extensor 1 large ♂, & 1 small ♀

22.8.32 afternoon, cont. 3.30 till 6.0 PM.

Bumelia, fields & c, at N. end of strand, as before, G. S.L.

Most taken by sweeping vegetation in drain in marshy field, as on 19.8.32.

Pteronidea myosotidis ♀ ✓ R.C.L.O. Pachynematus chetillatus 1 ♀ ✓ R.C.L.O.CampoplexDitopra viridula ? 1 ♂HermitiaAttractodes 2 2 red ♂♂ (1 crushed!)Leimona bellator 107 Leimona ♂♂ 1 ♂♂Brachymeria 1 ♂♂ 1 ♂♂ Promethes cognatus 2 ♂♂ P. pulchellus 1 ♀.Homocidus bigonatus 1 ♂ (v. AWS. 23.3.33). H. obscuripes 1 ♂.Mesochorus small sp. 1. Mesochorus 1 ♂ large sp. red thoraxDiaparsus ? 2 ♂♂.Leimona viridula ♀ 1 ♂ (1 ♂)Brachymeria or Attractodes spp. = P. ruficeps ? 5 ♂♂Blacus viridipes then ? AWS. 9.5.1934. Blacus viridipes 1 ♂, 1 ♀. Sigalphus caudatus 1 ♂.Aphidius 1 ♀. Aphidius 2 spp. = 2 ♂♂.



23<sup>rd</sup> August 1932. A perfect day: all sunny, with cool E. breeze.

Drove up west side of Gleniff, Co. Sh. & ascended cliff of Annacooona from the school. Took some icks in marsh <sup>at 750 ft.</sup> near school (= 1); four or five on *Angelica* at base of main cliff (near 1500 ft.?) (= 2).

In afternoon drove down E. side of Glen & collected along stream flowing through small valley with willow scrub at about 600 ft. alt. (= 3).

Spent most of the day looking for plants & most of those recorded seen, but not *Saxifraga nivalis*.

Saw one fresh Peacock Butterfly at 3, the first seen this autumn.

*Bombus agrorum* & *lucorum* only bumblebees seen: at 1 & 3.

*Candrena guynana* 1 ♀ (2<sup>nd</sup> brood) on *Rubus* flowers at 3.

Green, velvet, suff. larvae swept off rushes? on half above lower cliff at 1, but not kept.

*Zootaphus rufiventris* common at 1.

*Othocentrus* ♂ on *Angelica* at 2.

*Promethes laticarpus* 1 tiny ♂ at 1. *P. sulcator* 1 ♂ at 1. *Homocidus* 2 seen at 1.

*Homocidus* 1 ♂ at 3.

*Pimpla argyripes* 2 ♀ at 3.

about 500 other specimens.

23.8.32 cont. Gleniff, Co. Sh. cont.

*Apanteles* 2 on *Angelica* at 2.

*Chalcidius* 1 ♂ at 2. *Chalcidius* 1 ♂ at 3.

*Pentapleura* at 3.

24<sup>th</sup> August 1932. A dull, rain day. Spent morning at Bundoran Strand Co. Sh., but did not collect much. A couple of *Brachids* also taken on toilet window in Bundoran, E.D.

11.0 AM. In house Bundoran, Co. E.D.

*Helorus* ♂ *Aspilota pumilio* ♂ *Ophidius* 2.

*Chalcidius* ♂ *Macromerus ruficornis* ♂

11.30 till 1.0 PM. Most taken on surface of pool on shore.

*Aspilota pumilio* 2 ♂.

*Macromerus ruficornis* 1 ♂.

also midges, beetles, etc. - kept 11.30.

*Helorus*

5 *Pentapleura*!







25.8.32 afternoon. Woods W. of Doonee Rock, L. Filt. G.S.L.

3.30-5.30 PM, dull! Very good ground!

*Bombus lucorum*, *agrorum*, *terrestris*, & *muscorum*

*Psithyrus distinctus* ♂? [also one which might have been *terrestris* ♂]

*Vespa vulgaris* ♀♀.

*Pimpla insignita* 1♀. *Glypta* 2♂♂. *Phyllocolpa geminata* 1♀.

*Camponotus* 100

*Lasius* 3000, 2 off

*Acanthosmia* (or *apicicornis*) 1♂ & 1♀. *Microgaster* 100

*Stenomacrus* 1♂

*Chalcid* 1♂

*Proctotrypa* 1♂

26th August 1932. A glorious morning, but dull after 2 o'clock & wet in evening. Spent morning clearing off arvicola!

1.0 till 1.15 PM. Quarry near Fairy Bridges, abn S. end of Tullan strand, Bundoran, Co. ED. Taken on leaves of *Coltsfoot*, thistles or flowers of Wild Carrot.

*Pimpla inquisitor* 1♀: accidentally broken & not kept. *P. brevicornis* 1♀.

*Acanthosmia quadripunctatus* 100. *Homocidus elegans* 1♀.

*Microgaster* 157 & 1♀. *Dacnusa areolaris* ♀

*Proctotrypa* 1♀

*Chalcid*

26.8.32 cont.

3.0 PM. Spent a few minutes in plantation near Bastugal, Co. SH; but too dull for *Crabro styria* & none seen.

*Braconites* & ichn. swept of same oak as before.

*Blacus humilis* ? 3000. *Rhyssalus circumscriptus* ? 1

*Eubaeon* *calceatus* ♂ & ♀.

*Stenomacrus* 1♂. *Phyllocolpa* 1♀. *Chalcid* 1♂.

*Homocidus* 1000. *Phyllocolpa* 1♀.

*Homocidus* 1000. *Phyllocolpa* 1♀.

*Stenomacrus* 1♂.

Also swept: = *Pristiphora pallidiventrus* var. *denuclata* Kon. ♀ - ✓ RCLP.

26.8.32 afternoon. 3.30 till 5.45. Dull, windy, warm!

S. edge of plantation behind Travallua strand, below Cliffring, Co. SH. as before (on 18.8.32!).

*Bombus*, *Vespa vulgaris*, *Mellinus* & *Crabro palmipes* as before.

*Ferusa dohrni* 1♀ in alder. *Pachyneuratus obductus* ♀ ✓ RCLP.

*Phyllostoma rugans* ♀ on alder (✓ A.H.S.). 1000 alder.

*Pteronidea dijospila* ♀ var. (✓ RCLP) on Salix

*Pimpla brevicornis* ♀♀ abundant. *Leucospiza* 1♀.

*P. nigricans* ? large ♀ on Salix. *Phyllocolpa* 1♀.

*Lampronia* 3000. *Crabro* 1000. *P.T.O.*

*Mesoleius* 1000 (2♂♂ diff. sp.)

*Diatoma* 1♀







28<sup>th</sup> August 1932. A fine day, but dull till 4.0 PM.  
11.30 till 1.0 PM. "Collayarry", a small rock bound bay on W. coast between Mullaghmore & Trillick, Co. SL.

Took some (nine) small *Proctotrupids* &c, under decaying seaweed at high-tide mark amongst boulders. = 1

Also 1 ♂ aphidiid & 1 Chalcid floating on surface of a rock pool. Also 1 ♀ ich, cf. *Hermitia*. On return journey stopped at fork of road just W of Bunduff Lough to collect mostly larvae on *Salix pentandra* & on this took two ichs: -

*Stenomacrus debilis* ♂ & ♀ (1 ♂ & 1 ♀) also *Gynepids* *N. suboptima* ♀  
Black elongate Chalcid Small Chalcid Aphidius 1 ♂ & 1 ♀  
*Hermitia* ♀ at 1 Diabromus at 2. *Phygadeuon* at 2  
[*Meloboris* ♀ in house at Bundarra, Co. ED]

28.8.32 afternoon. 3.30 till 5.30 PM.

Shore of L. Melvin at Rossinver, Co. LE. & fields &c. E. of road.

*Bombus lucorum*, *agrorum*, *muscorum* & *terrestris* 1 ♀ seen.  
*Vespa vulgaris* ♀♀.

*Oedemotopis subicola* ♀ in Alder. *Lissonota bellula* 1 ♂.

*Euclyptus* 1 ♂. *Attractodes* *laevigatus* 1 ♂, also 2 ♂♂ of 2 spp.  
*St. longipes* 1 ♂.

28.8.32 aft. cont. L. Melvin, Co. LE cont.

*Pezomachus* ♀, brown, in alder. *Tryphon* *brachymeria* small ♀

*Gynepids* *suboptima* 1 ♂. *Phygadeuon* 1 ♂. *Phygadeuon* 1 ♂.

*Diabromus* 1 ♂. *Phygadeuon* 1 ♂. *Phygadeuon* 1 ♂.

*Phygadeuon* 1 ♂. *Phygadeuon* 1 ♂.

*Eupadegon extensor* ♂ & ♀

*Phaenocarpa conspurcator* 1 ♀. *Ph. pinnator* 1 ♂.

*Dacnusa* *areolaris* 1 ♂. *Aspilota* *ruficornis* 1 ♀.

*Stenobothrus* 1 ♂.

29<sup>th</sup> August 1932. A fine morning, dull & rain during mid day, but misty rain later.

12 noon till 2.0 PM. Glencar (upper end), Co. LE.

Unless stated, all collected by side "glen" at E. end of the "Swiss Valley" ship, near waterfall: a few only taken by stream below waterfall.

*Aspilota* 1 ♂. *Phygadeuon* below waterfall, near road.

*Proctotrupids* below waterfall.

*Phygadeuon* *pallidus* = *Phygadeuon* "miki Hal." swept below fall.

Chalcid, very small, on *Syringium* below waterfall, near road.



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29.8.32 cont. Glencar, Co. LE. cont.

*Bombus agrorum* & *lucorum* only seen.*Vespa vulgaris* ♀♀.*Dacnusa* in *Psylla* etc. on slope at foot of hill.*Plectrocypha lineata* 1 ♂. *Psylla* 1 ♂.*Limonia* *proctori* 2 ♂♂. *Dyspota praerogator* 1 ♂. *Promethes cognatus* 1 ♂, 1 ♀.*Pimpla turanellus* 1 ♂. ♂ with "dusky-bellied" front femora.*Dacnusa* *insidens* 1 ♀. *Rhyssalus* *unimaculatus* 2 ♂♂. *Psylla*.*Dacnusa* *areolaris* 1 ♀. *S. lepidus* 1 ♂, certainly the species <sup>orally?</sup>*Aphidius*.

29.8.32 afternoon

5th August-1932. A dull day, with thick misty rain after a glorious morning. Drove home to Dublin from Bundoran. Stopped on roadside between Carrick-on-Shannon & Jamestown, Co. LE, for lunch & here swept a few species of ich & braconids off sheltered side of *Sycamore* in hedge. Collected nowhere else on journey.

*Dacnusa* *areolaris* abundant.*Psylla*.*Promethes*.

1 ♂.

*Attractodes*.

1 ♂.

*Promethes* 1 small dark ♂, with matt mesonotum, but elongate 1st segment as in *cognatus*: ? sp.

239

29.8.32 afternoon. Woods near Shrieff Cottage, L. Gill, Co. LE. Dull: rain just commencing. A few ich & braconids taken, mostly in hazel bushes!

*Plectrocypha* 1 ♂.*Promethes* *latior* ? 1 ♂.

END OF BUNDORAN TRIP!

NB. Approximately 1,300 insects taken during this trip! AWS. 21.1.33.

31st August 1932, afternoon, 3.0 till 5.0 PM.

Bright sunny day; cooler, strong W. wind; very few insects out. Erriskony Glen, Co. WI.

*Bombus agrorum* & *lucorum* a few worn ♀♀ only seen.*Psithyrus campestris* 1 worn ♂ of v. *rossii* etc.*Mellinus arvensis* several ♀♀ seen.*Compilus pithus* 1 ♀ on gravel flat.*Athalia* sp. very common. *Tryphon elongator* & *Dyspota praerogator* both commonly seen on *Asperula*.*Apanteles* 1 ♀.*Psithyrus* 1 ♂.*Pimpla* *barbarus* sp. *Promethes pulchellus* 1 ♂.



240.

4th September 1932. A dull chilly & unpromising morning with strong NW wind, gradually improving & the afternoon calmer, milder & sunnier.

Deputy's Pass, Co. WI.

All insects taken on NE side near the "avenue" & the old garden, or by the river below.  
*Bombus agrorum* & *lucorum* only seen.

*Psithyrus distinctus* faded ♂♂.

*Halictus calcularius* a few ♂♂ on ragwort.

*Crabro styrius* 1 tiny ♂ on hazel by the river.

There stump & stepping stones provide a crossing.

*C. palmipes* a large & very red ♀ at same place.

*C. rufus* 1 ♀ near old garden.

*Pompilus nigerimus* 1 ♀ on nettles at entrance.

*Athalia lineolata* 1 ♀ (✓ 5/3/33).

*Pimpla instigator* large ♀ at log in old garden.

*P. manducator* ? 1 ♀ at Spanish fir tree there.

*P. v-nervata* ♀ *Proctos. albicollis* 1 ♀.

*Exochus* ? 1 ♂. *Stenochorus* ? 1 ♂. *Stenochorus* ? 1 ♂. *Stenochorus* ? 1 ♂.

*Hypomeus quadricinctus* 1 ♀ *Phaenocarpa* 2 ♀♀.

*Stenochorus* ? 1 ♂.

241.

4.9.32 cont. Deputy's Pass, WI cont.

*Plectrocyptus tarsatus* ♂ examined & released.

*Pezomachus* ? 2 ♂♂, small. *Stenochorus* ? 1 ♂. *Stenochorus* ? 1 ♂.

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11.9.32 cont.

Deputy's Pass, Co. WI cont.

*Hemiteles* sp. 78. Cryptid ♂, 1st ant. 11.*Pimpla* sp. *Epiloma pygmaea* (p. 4) 78. *Leucoloma* ? 78.*Camptopleris* 2 78. *Salix* sp. 1. *A. Pr.* 1. *Chalcids* 3.

14th Sept 1932. Evening

Garden at 14 Clareville Rd., Harold's Cross, DU.

*Metacoelus* *abdominalis* 1 ♀.*Diapriid* *crucians*, small form, 10<sup>th</sup> with 20 joints ant., 19<sup>th</sup> with 22 joints.*D. intricatus* *maculatus* (see Hal.) 10<sup>th</sup>, with 35 joints ant., also.yellow legs & <sup>central</sup> longitudinal line on abdomen.*Stenomacrus* very small ♀, with compressed abdomen.Several *Proctos*, *Chalcids* & *Ichneumonids*.



244.

11.9.

Sp

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20

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24

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